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119

STIC-Biotech/ChemLib

From: Whiteman, Brian  
Sent: Monday, May 15, 2006 10:59 AM  
To: STIC-Biotech/ChemLib  
Subject: seq search

10725013

SEQ ID NO: 2

1) issued us patents and published us patent applications

Thank you,

Brian Whiteman  
Remsen, 2D14  
mail box 2C18  
Patent Examiner - Art Unit 1635  
United States Patent and Trademark Office  
(571) 272-0764

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MAY 15 2006  
STIC

\*\*\*\*\*  
Searcher: \_\_\_\_\_  
Searcher Phone: \_\_\_\_\_  
Date Searcher Picked up: \_\_\_\_\_  
Date completed: \_\_\_\_\_  
Searcher Prep Time: \_\_\_\_\_  
Online Time: \_\_\_\_\_

\*\*\*\*\*  
Type of Search  
NA# \_\_\_\_\_ AA# \_\_\_\_\_  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure #: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*  
Vendors and cost where applicable  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIT: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (Specify): \_\_\_\_\_

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GenCore version 5.1.8  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: May 18, 2006, 16:48:19 ; Search time 50 Seconds  
(without alignments)  
1004.852 Million cell updates/sec

Title: US-10-725-013-2

Sequence: 1 MGVVLGALALAGLGPAP.....APSEVVLQHVTRTPQL 574

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents\_AA:\*

- 1: /EMC\_Celerra\_SIDS3/ptodata/2/1aa/5\_COMB.pep:\*
- 2: /EMC\_Celerra\_SIDS3/ptodata/2/1aa/6\_COMB.pep:\*
- 3: /EMC\_Celerra\_SIDS3/ptodata/2/1aa/7\_COMB.pep:\*
- 4: /EMC\_Celerra\_SIDS3/ptodata/2/1aa/H\_COMB.pep:\*
- 5: /EMC\_Celerra\_SIDS3/ptodata/2/1aa/ECTUS\_COMB.pep:\*
- 6: /EMC\_Celerra\_SIDS3/ptodata/2/1aa/RE\_COMB.pep:\*
- 7: /EMC\_Celerra\_SIDS3/ptodata/2/1aa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3176.5	99.2	575	1 US-08-312-870-1	Sequence 1, App11
2	3176.5	99.2	575	2 US-09-949-002-296	Sequence 296, App
3	3176.5	99.2	575	7 5466668-6	Patent No. 5466668
4	3176.5	99.2	682	2 US-09-949-002-436	Sequence 436, App
5	3172.5	99.0	575	1 US-08-261-206A-59	Sequence 59, App1
6	3172.5	99.0	575	2 US-09-880-484D-2	Sequence 2, App11
7	3172.5	99.0	575	2 US-10-438-648-2	Sequence 2, App11
8	3168.5	98.9	575	1 US-08-170-290A-54	Sequence 54, App1
9	3107	97.0	572	7 5256770-7	Patent No. 5256770
10	2885.5	90.1	516	2 US-09-509-994-2	Sequence 2, App11
11	2881.5	90.0	516	2 US-09-509-994-1	Sequence 1, App11
12	2795.5	87.3	498	1 US-08-733-564-2	Sequence 1, App11
13	2793.5	87.2	497	1 US-08-312-870-3	Sequence 3, App11
14	2789.5	87.1	497	2 US-09-331-793-4	Sequence 4, App11
15	2735.5	85.4	494	1 US-08-014-723-14	Sequence 14, App1
16	2735.5	85.4	494	1 US-08-110-011A-11	Sequence 11, App1
17	2733.5	85.3	494	1 US-08-014-723-16	Sequence 16, App1
18	2733.5	85.3	494	1 US-08-110-011A-16	Sequence 16, App1
19	2659.5	83.0	475	1 US-08-307-444A-2	Sequence 2, App11
20	2659.5	83.0	475	1 US-08-587-389-2	Sequence 2, App11
21	2655.5	82.9	475	1 US-08-307-444A-1	Sequence 1, App11
22	2655.5	82.9	475	1 US-08-587-389-1	Sequence 1, App11
23	2649.5	82.7	476	1 US-08-014-723-1	Sequence 1, App11
24	2649.5	82.7	476	1 US-08-110-011A-1	Sequence 1, App11
25	2647.5	82.7	476	1 US-08-014-723-2	Sequence 2, App11
26	2647.5	82.7	476	1 US-08-014-723-18	Sequence 18, App1

27	2647.5	82.7	476	1 US-08-110-011A-2	Sequence 2, App11
28	2647.5	82.7	476	1 US-08-110-011A-18	Sequence 18, App1
29	2565.5	80.1	456	1 US-08-307-444A-4	Sequence 4, App11
30	2565.5	80.1	456	1 US-08-587-389-4	Sequence 4, App11
31	2561.5	80.0	456	1 US-08-307-444A-3	Sequence 3, App11
32	2561.5	80.0	456	1 US-08-587-389-3	Sequence 3, App11
33	2512.5	78.4	446	1 US-08-307-444A-5	Sequence 5, App11
34	2512.5	78.4	446	1 US-08-587-389-5	Sequence 5, App11
35	1590.5	49.7	275	1 US-08-312-870-7	Sequence 7, App11
36	1323	41.3	239	2 US-10-104-047-2759	Sequence 2759, Ap
37	1159	36.2	215	1 US-08-312-870-5	Sequence 5, App11
38	689	21.5	114	1 US-08-312-870-9	Sequence 9, App11
39	681	21.3	114	1 US-08-733-564-1	Sequence 1, App11
40	587.5	18.3	652	1 US-08-751-305-2	Sequence 2, App11
41	578	18.0	757	2 US-09-949-016-6963	Sequence 6963, Ap
42	578	18.0	758	2 US-09-949-016-8087	Sequence 8087, Ap
43	573	17.9	492	2 US-09-724-864-39	Sequence 39, App1
44	384	12.0	1935	2 US-09-949-016-10403	Sequence 10403, A
45	384	12.0	2871	2 US-09-538-092-1076	Sequence 1076, Ap

## ALIGNMENTS

RESULT 1  
US-08-312-870-1  
Sequence 1, Application US/08312870  
Patent No. 5639625  
GENERAL INFORMATION:  
APPLICANT: Carson, Craig W.  
TITLE OF INVENTION: Method for Detecting Antibodies to  
NUMBER OF INVENTIONS: Thrombomodulin in Patients  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Richards, Medlock & Andrews  
STREET: 1201 Elm Street, Suite 4500  
CITY: Dallas  
STATE: Texas  
COUNTRY: US  
ZIP: 75270-2197  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/312,870  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Hansen, Eugenia S.  
REGISTRATION NUMBER: 31,966  
REFERENCE/DOCKET NUMBER: OMRF B35150  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 214-939-4500  
TELEFAX: 214-939-4600  
INFORMATION FOR SEQ. ID NO. 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 575 amino acids  
TYPE: amino acid  
MOLECULE TYPE: linear  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 19..575  
US-08-312-870-1  
Query Match 99.2%; Score 3176.5; DB 1; Length 575;  
Best Local Similarity 99.5%; Pred. No. 56-221;

Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 MCGVLVIGALALAGLGPAPAEPOPGSGQCVHDCALYBGPATFLNASQICDGLGRLHM 60  
DB 1 MCGVLVIGALALAGLGPAPAEPOPGSGQCVHDCALYBGPATFLNASQICDGLGRLHM 60

QY 61 TVSSVAADVITSLNLGDDGVRRLMIGLQLPFGGCDPRGLRGFQWVTGDNNTSYS 120  
DB 61 TVSSVAADVITSLNLGDDGVRRLMIGLQLPFGGCDPRGLRGFQWVTGDNNTSYS 120

QY 121 RMARLDLNGAPLPGPLCVAVSAEAATVBPSEPIWEBOQCEVKADGFLCEHFPAATCRPLAV 180  
DB 121 RMARLDLNGAPLPGPLCVAVSAEAATVBPSEPIWEBOQCEVKADGFLCEHFPAATCRPLAV 180

QY 181 EPGAAAAVITGTGTPFAAGADFOALPVGSSAAVAPLGLQLMCTAPPGAVOQHMAREAP 240  
DB 181 EPGAAAAVITGTGTPFAAGADFOALPVGSSAAVAPLGLQLMCTAPPGAVOQHMAREAP 240

QY 241 GAWDCSVENGCGEHCNAILPGARPCQCPAGALQADGSRCTAS-TQSCNDLCEHFCVNP 299  
DB 241 GAWDCSVENGCGEHCNAILPGARPCQCPAGALQADGSRCTAS-TQSCNDLCEHFCVNP 299

QY 300 DPGSISCMCEGTGYRLAADQHRCEVDVDCILBSPPCORCVNTQGGFECHCYPNYDLVDG 359  
DB 300 DPGSISCMCEGTGYRLAADQHRCEVDVDCILBSPPCORCVNTQGGFECHCYPNYDLVDG 359

QY 360 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPRCQMFQNTACPADCDPN 419  
DB 360 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPRCQMFQNTACPADCDPN 419

QY 420 TQASCECPBGYIILDGFICTDIDECENGFCGVCNHLPGTFECICGPDALARIHGTDC 479  
DB 420 TQASCECPBGYIILDGFICTDIDECENGFCGVCNHLPGTFECICGPDALARIHGTDC 479

QY 480 DSGKVDGDSGSGEPPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 539  
DB 480 DSGKVDGDSGSGEPPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 539

QY 540 KKGARAKMEYKCAAPSKENVLOHVTERTPORL 574  
DB 540 KKGARAKMEYKCAAPSKENVLOHVTERTPORL 574

RESULT 2  
US-09-949-002-296  
; Sequence 296, Application US/09949002  
; Patent No. 6900016  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION  
; TITLE OF INVENTION: AND USES THEREOF  
; FILE REFERENCE: CL000790  
; CURRENT APPLICATION NUMBER: US/09/949,002  
; CURRENT FILING DATE: 2000-01-28  
; PRIOR APPLICATION NUMBER: 60/231,401  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ. ID NOS: 10823  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 296  
; LENGTH: 575  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-002-296

Query Match 99.2%; Score 3176.5; DB 2; Length 575;  
Best Local Similarity 99.5%; Pred. No. 5e-221;  
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 MCGVLVIGALALAGLGPAPAEPOPGSGQCVHDCALYBGPATFLNASQICDGLGRLHM 60  
DB 1 MCGVLVIGALALAGLGPAPAEPOPGSGQCVHDCALYBGPATFLNASQICDGLGRLHM 60

QY 61 TVSSVAADVITSLNLGDDGVRRLMIGLQLPFGGCDPRGLRGFQWVTGDNNTSYS 120  
DB 61 TVSSVAADVITSLNLGDDGVRRLMIGLQLPFGGCDPRGLRGFQWVTGDNNTSYS 120

QY 121 RMARLDLNGAPLPGPLCVAVSAEAATVBPSEPIWEBOQCEVKADGFLCEHFPAATCRPLAV 180  
DB 121 RMARLDLNGAPLPGPLCVAVSAEAATVBPSEPIWEBOQCEVKADGFLCEHFPAATCRPLAV 180

QY 181 EPGAAAAVITGTGTPFAAGADFOALPVGSSAAVAPLGLQLMCTAPPGAVOQHMAREAP 240  
DB 181 EPGAAAAVITGTGTPFAAGADFOALPVGSSAAVAPLGLQLMCTAPPGAVOQHMAREAP 240

QY 241 GAWDCSVENGCGEHCNAILPGARPCQCPAGALQADGSRCTAS-TQSCNDLCEHFCVNP 299  
DB 241 GAWDCSVENGCGEHCNAILPGARPCQCPAGALQADGSRCTAS-TQSCNDLCEHFCVNP 299

QY 300 DPGSISCMCEGTGYRLAADQHRCEVDVDCILBSPPCORCVNTQGGFECHCYPNYDLVDG 359  
DB 300 DPGSISCMCEGTGYRLAADQHRCEVDVDCILBSPPCORCVNTQGGFECHCYPNYDLVDG 359

QY 360 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPRCQMFQNTACPADCDPN 419  
DB 360 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPRCQMFQNTACPADCDPN 419

QY 420 TQASCECPBGYIILDGFICTDIDECENGFCGVCNHLPGTFECICGPDALARIHGTDC 479  
DB 420 TQASCECPBGYIILDGFICTDIDECENGFCGVCNHLPGTFECICGPDALARIHGTDC 479

QY 480 DSGKVDGDSGSGEPPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 539  
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QY 540 KKGARAKMEYKCAAPSKENVLOHVTERTPORL 574  
DB 540 KKGARAKMEYKCAAPSKENVLOHVTERTPORL 574

RESULT 3  
546668-6  
; Patent No. 546668  
; APPLICANT: GLASER, CHARLES B.; MORSER, MICHAEL J.; LIGHT,  
; DAVID R.  
; TITLE OF INVENTION: SUPERIOR THROMBOMODULIN ANALOGS FOR  
; PHARMACEUTICAL USE  
; NUMBER OF SEQUENCES: 57  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/155,346  
; FILING DATE: 22-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 568,456  
; FILING DATE: 15-AUG-1990  
; APPLICATION NUMBER: 506,325  
; FILING DATE: 09-APR-1990  
; APPLICATION NUMBER: 406,941  
; FILING DATE: 13-SEP-1989  
; APPLICATION NUMBER: 345,374  
; FILING DATE: 28-APR-1989  
; SEQ ID NO: 6  
; LENGTH: 575  
546668-6

Query Match 99.2%; Score 3176.5; DB 7; Length 575;  
Best Local Similarity 99.5%; Pred. No. 5e-221;  
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 MCGVLVIGALALAGLGPAPAEPOPGSGQCVHDCALYBGPATFLNASQICDGLGRLHM 60  
DB 1 MCGVLVIGALALAGLGPAPAEPOPGSGQCVHDCALYBGPATFLNASQICDGLGRLHM 60

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Db 121 RMARLDLNGAPLPGPLCVAAVAEATVPSEPIWEEOCEVKADGFLCEHFHPATCRPLAV 180
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Db 181 EPGAAAASVITYGTPFAARGADFOALPVGSSAAVAPLGIQLMCTAPPGAQGHMAREAP 240
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Db 241 GAMDSCVENGGCHACNAIPGARPCOCPAGALQADGRCTASATOSCNLCEHFVCVNP 300
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Db 301 DPGSGVSCMCETGYRLAADQHRCEVDVDCILBSPPCORCVNTQGGFECCHYPNYDLVDG 360
Qy 360 ECEVPDPCFRANCEYOCOPPLNQTSTYLCVCAEGFAPIPHEPHRCQMFQCNQTACPADCDPN 419
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Db 541 KKGGAARAKMEYKCAAPSKREVVLQHVTERTEPQRL 575

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; Sequence 436, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; SOFTWARE: FastSeq for Windows Version 4.0
; NUMBER OF SEQ ID NOS: 10823
; LENGTH: 682
; TYPE: PRT
; ORGANISM: Human
US-09-949-002-436

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Query Match          99.2%; Score 3176.5; DB 2; Length 682;
Best Local Similarity 99.5%; Pred. No. 6e-221; 2; Indels 1; Gaps 1;
Matches 572; Conservative 0; Mismatches 2;

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Db 168 TYRSSVAADVITSLANGDGVGRRRLMIGLQLPFGCGDPRKGLPLGFWMTGDNNTSYS 227
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|
Db 228 RMARLDLNGAPLPGPLCVAAVAEATVPSEPIWEEOCEVKADGFLCEHFHPATCRPLAV 287
Qy 181 EPGAAAASVITYGTPFAARGADFOALPVGSSAAVAPLGIQLMCTAPPGAQGHMAREAP 240
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Db 288 EPGAAAASVITYGTPFAARGADFOALPVGSSAAVAPLGIQLMCTAPPGAQGHMAREAP 347
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Qy 241 GAMDSCVENGGCHACNAIPGARPCOCPAGALQADGRCTASATOSCNLCEHFVCVNP 239
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Db 408 DPGSGVSCMCETGYRLAADQHRCEVDVDCILBSPPCORCVNTQGGFECCHYPNYDLVDG 467
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RESULT 5
US-08-261-206A-59
; Sequence 59, Application US/08261206A
; Patent No. 5574007
; GENERAL INFORMATION:
; APPLICANT: Zushi, Michitaka
; APPLICANT: Gomi, Komakazu
; APPLICANT: Yamamoto, Shuji
; APPLICANT: Suzuki, Koji
; APPLICANT: Matsuda, Akio
; TITLE OF INVENTION: A Polypeptide Capable of Interacting
; NUMBER OF SEQUENCES: 80
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch
; STREET: 301 N. Washington St.
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22046-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/261,206A
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/740,492
; FILING DATE: 03-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Svendsen, Leonard R.
; REGISTRATION NUMBER: 30330
; REFERENCE/DOCKET NUMBER: 216-275P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-241-1300
; TELEFAX: 703-241-2848
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 575 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

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FRAGMENT TYPE: Internal  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..575  
OTHER INFORMATION: /label= protein  
OTHER INFORMATION: /note= "human thrombomodulin"  
US-08-261-206A-59

Query Match 99.0%; Score 3172.5; DB 1; Length 575;  
Best Local Similarity 99.3%; Pred. No. 9.7e-221;  
Matches 571; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 MGVLVLAGALALAGLPAPAPAPPOGSGQCVHDCFCALYPGATFLNLSQICDGLRGLHM 60  
DB 1 MGVLVLAGALALAGLPAPAPAPPOGSGQCVHDCFCALYPGATFLNLSQICDGLRGLHM 60  
QY 61 TVRSSVAADVLSLLNGDGVGRRLWIGLQLPFGCGDPKRLGPRGFQWVTGDNNTSYS 120  
DB 61 TVRSSVAADVLSLLNGDGVGRRLWIGLQLPFGCGDPKRLGPRGFQWVTGDNNTSYS 120  
QY 121 RWRRLDNLGAPLCGPLCVASAATVPSPIWEBOQCEVKADGFLCEHPATCRPLAV 180  
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DB 181 EPGAAAASITTYGTPFAARGADFOALPVSSAAVAAPLGLQMLCTAPPGAVOGHMAREAP 240  
QY 241 GAWDCSVENGCGEHCNATPGARPCCPGAGALQADRSCTAS-TOSCNDLCEHFCVNP 299  
DB 241 GAWDCSVENGCGEHCNATPGARPCCPGAGALQADRSCTAS-TOSCNDLCEHFCVNP 299  
QY 241 GAWDCSVENGCGEHCNATPGARPCCPGAGALQADRSCTAS-TOSCNDLCEHFCVNP 299  
DB 241 GAWDCSVENGCGEHCNATPGARPCCPGAGALQADRSCTAS-TOSCNDLCEHFCVNP 299  
QY 300 DPGSYSCMCEGYRLAADHRCEDVDDCLLESPPCQVCVNTQGFECCHYNYDLVNG 359  
DB 300 DPGSYSCMCEGYRLAADHRCEDVDDCLLESPPCQVCVNTQGFECCHYNYDLVNG 359  
QY 301 DPGSYSCMCEGYRLAADHRCEDVDDCLLESPPCQVCVNTQGFECCHYNYDLVNG 360  
DB 301 DPGSYSCMCEGYRLAADHRCEDVDDCLLESPPCQVCVNTQGFECCHYNYDLVNG 360  
QY 360 ECEPVPDPCFRANCEYOCPLNQTSTYLCVCAEGFAP1PHEPHRCQMFQNCQTACPADCDPN 419  
DB 361 ECEPVPDPCFRANCEYOCPLNQTSTYLCVCAEGFAP1PHEPHRCQMFQNCQTACPADCDPN 420  
QY 420 TQASCECPGEGYIIDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALVRHIGTDC 479  
DB 421 TQASCECPGEGYIIDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALVRHIGTDC 480  
QY 480 DSGKVDGSGSGSEPPSPTPGSTLTTPPAVGLVHSGLLIGISIASLCLVVALALLCHLR 539  
DB 481 DSGKVDGSGSGSEPPSPTPGSTLTTPPAVGLVHSGLLIGISIASLCLVVALALLCHLR 540  
QY 540 KKGGAARAKMEYKCAAPSKKEVLOHVTERTERPQRL 574  
DB 541 KKGGAARAKMEYKCAAPSKKEVLOHVTERTERPQRL 575

RESULT 6  
US-09-880-484D-2  
Sequence 2, Application US/09880484D  
Patent No. 663791  
GENERAL INFORMATION:  
APPLICANT: Light, David  
APPLICANT: Nagashima, Mariko  
APPLICANT: Morser, Michael J  
TITLE OF INVENTION: Thrombomodulin Analogs for Pharmaceutical Use  
FILE REFERENCE: 51863AUSM1  
CURRENT APPLICATION NUMBER: US/09/880,484D  
CURRENT FILING DATE: 2001-06-12  
PRIOR APPLICATION NUMBER: 60/213,678  
PRIOR FILING DATE: 2000-06-21  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 2  
LENGTH: 575

TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-880-484D-2

Query Match 99.0%; Score 3172.5; DB 2; Length 575;  
Best Local Similarity 99.3%; Pred. No. 9.7e-221;  
Matches 571; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 MGVLVLAGALALAGLPAPAPAPPOGSGQCVHDCFCALYPGATFLNLSQICDGLRGLHM 60  
DB 1 MGVLVLAGALALAGLPAPAPAPPOGSGQCVHDCFCALYPGATFLNLSQICDGLRGLHM 60  
QY 61 TVRSSVAADVLSLLNGDGVGRRLWIGLQLPFGCGDPKRLGPRGFQWVTGDNNTSYS 120  
DB 61 TVRSSVAADVLSLLNGDGVGRRLWIGLQLPFGCGDPKRLGPRGFQWVTGDNNTSYS 120  
QY 121 RWRRLDNLGAPLCGPLCVASAATVPSPIWEBOQCEVKADGFLCEHPATCRPLAV 180  
DB 121 RWRRLDNLGAPLCGPLCVASAATVPSPIWEBOQCEVKADGFLCEHPATCRPLAV 180  
QY 121 RWRRLDNLGAPLCGPLCVASAATVPSPIWEBOQCEVKADGFLCEHPATCRPLAV 180  
DB 121 RWRRLDNLGAPLCGPLCVASAATVPSPIWEBOQCEVKADGFLCEHPATCRPLAV 180  
QY 181 EPGAAAASITTYGTPFAARGADFOALPVSSAAVAAPLGLQMLCTAPPGAVOGHMAREAP 240  
DB 181 EPGAAAASITTYGTPFAARGADFOALPVSSAAVAAPLGLQMLCTAPPGAVOGHMAREAP 240  
QY 241 GAWDCSVENGCGEHCNATPGARPCCPGAGALQADRSCTAS-TOSCNDLCEHFCVNP 299  
DB 241 GAWDCSVENGCGEHCNATPGARPCCPGAGALQADRSCTAS-TOSCNDLCEHFCVNP 300  
QY 300 DPGSYSCMCEGYRLAADHRCEDVDDCLLESPPCQVCVNTQGFECCHYNYDLVNG 359  
DB 301 DPGSYSCMCEGYRLAADHRCEDVDDCLLESPPCQVCVNTQGFECCHYNYDLVNG 360  
QY 360 ECEPVPDPCFRANCEYOCPLNQTSTYLCVCAEGFAP1PHEPHRCQMFQNCQTACPADCDPN 419  
DB 361 ECEPVPDPCFRANCEYOCPLNQTSTYLCVCAEGFAP1PHEPHRCQMFQNCQTACPADCDPN 420  
QY 420 TQASCECPGEGYIIDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALVRHIGTDC 479  
DB 421 TQASCECPGEGYIIDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALVRHIGTDC 480  
QY 480 DSGKVDGSGSGSEPPSPTPGSTLTTPPAVGLVHSGLLIGISIASLCLVVALALLCHLR 539  
DB 481 DSGKVDGSGSGSEPPSPTPGSTLTTPPAVGLVHSGLLIGISIASLCLVVALALLCHLR 540  
QY 540 KKGGAARAKMEYKCAAPSKKEVLOHVTERTERPQRL 574  
DB 541 KKGGAARAKMEYKCAAPSKKEVLOHVTERTERPQRL 575

RESULT 7  
US-10-438-648-2  
Sequence 2, Application US/10438648  
Patent No. 6790828  
GENERAL INFORMATION:  
APPLICANT: Light, David  
APPLICANT: Nagashima, Mariko  
APPLICANT: Morser, Michael J  
TITLE OF INVENTION: Thrombomodulin Analogs for Pharmaceutical Use  
FILE REFERENCE: 51863AUSDI  
CURRENT APPLICATION NUMBER: US/10/438,648  
CURRENT FILING DATE: 2003-05-14  
PRIOR APPLICATION NUMBER: US 60/213,678  
PRIOR FILING DATE: 2000-06-21  
PRIOR APPLICATION NUMBER: US 09/880,484  
PRIOR FILING DATE: 2001-06-12  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 2  
LENGTH: 575  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-438-648-2



NUMBER OF SEQUENCES: 48  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/506,325  
 FILING DATE: 09-APR-1990  
 SEQ ID NO: 7  
 LENGTH: 572  
 5256770-7

Query Match 97.0%; Score 3107; DB 7; Length 572;  
 Best Local Similarity 98.3%; Pred. No. 5.1e-216;  
 Matches 565; Conservative 0; Mismatches 6; Indels 4; Gaps 3;

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QY 1 MGVLVGLALALAGLGFPAAPBPQSGSCVHDCFLYPGATFLNASQICDGLRHLM 60
DB 1 MGVLVGLALALAGLGFPAAPBPQSGSCVHDCFLYPGATFLNASQICDGLRHLM 60
QY 61 TVRSSVAADVISLLNGDGVGRRLMIGLQLPPGCGDKRLGRLGFQMTGDNNTSYS 120
DB 61 TVRSSVAADVISLLNGDGVGRRLMIGLQLPPGCGDKRLGRLGFQMTGDNNTSYS 119
QY 121 RMARLDLNGAPLCGPLCVASAABATVPSEPIWEBOQCEVKADGFLCEFHFPATCRPLAV 180
DB 121 RMARLDLNGAPLCGPLCVASAABATVPSEPIWEBOQCEVKADGFLCEFHFPATCRPLAV 179
QY 181 EPGAAAAVSIITGTFFPAARGADFOALPVGSSAAVAPLGLQIMCTAPPAVQGHMAREAP 240
DB 181 EPGAAAAVSIITGTFFPAARGADFOALPVGSSAAVAPLGLQIMCTA--GNVQGHMAREAP 237
QY 241 GAWDCSVENGCEHCNAIPGARPCCPAGALQADGRSCTAS--TQSCNDLCEHFCVNP 299
DB 238 GAWDCSVENGCEHCNAIPGARPCCPAGALQADGRSCTASATQSCNDLCEHFCVNP 297
QY 300 DQGSYSCKETGYRLAADHRCEDVDCTLESPCQRCVNTQGGFECYPNYDLVDG 359
DB 298 DQGSYSCKETGYRLAADHRCEDVDCTLESPCQRCVNTQGGFECYPNYDLVDG 357
QY 360 ECEPVPDPCFRANCEVQCCPLNOTSYLVCAGGFAPIPHBPHRCQFNCQTACPADCDPN 419
DB 358 ECEPVPDPCFRANCEVQCCPLNOTSYLVCAGGFAPIPHBPHRCQFNCQTACPADCDPN 417
QY 420 TQASCCEPBGYIIDDGFTCTDIDECENGFCGSGVCHNLPTFEFCICGPDALARIHGTDC 479
DB 418 TQASCCEPBGYIIDDGFTCTDIDECENGFCGSGVCHNLPTFEFCICGPDALARIHGTDC 477
QY 480 DSGKVDGSDSGSEPPSPTPGSTLTTPPAVGLVHSGLLIGISTASLCLVALALLCHLR 539
DB 478 DSGKVDGSDSGSEPPSPTPGSTLTTPPAVGLVHSGLLIGISTASLCLVALALLCHLR 537
QY 540 KKGGAARAKMEYKCAAPSKENVLOHVTERTPORL 574
DB 538 KKGGAARAKMEYKCAAPSKENVLOHVTERTPORL 572

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RESULT 10  
 US-09-994-2  
 Sequence 2, Application US/09509994  
 Patent No. 6808706  
 GENERAL INFORMATION:  
 APPLICANT: YUI, MASAKI  
 APPLICANT: YOKOZAWA, AKIRA  
 APPLICANT: MURATA, TOMOYO  
 APPLICANT: TSURUTA, KAZUHISA  
 APPLICANT: SHIMIZU, HIROTOOMO  
 TITLE OF INVENTION: METHOD FOR KEEPING THE QUALITY OF AQUEOUS PARENTERAL  
 TITLE OF INVENTION: SOLUTION OF THROMBOMODULIN IN STORAGE AND DISTRIBUTION  
 FILE REFERENCE: KP-8753  
 CURRENT APPLICATION NUMBER: US/09/509,994  
 CURRENT FILING DATE: 2000-05-08  
 PRIOR APPLICATION NUMBER: PCT/JP98/04609  
 PRIOR FILING DATE: 1998-10-13  
 PRIOR APPLICATION NUMBER: JP 9-281659  
 PRIOR FILING DATE: 1997-10-15  
 PRIOR APPLICATION NUMBER: JP 9-308523

PRIOR FILING DATE: 1997-11-11  
 NUMBER OF SEQ ID NOS: 6  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 2  
 LENGTH: 516  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: Partial amino acid sequences of a human  
 OTHER INFORMATION: thrombomodulin  
 US-09-994-2

Query Match 90.1%; Score 2885.5; DB 2; Length 516;  
 Best Local Similarity 99.4%; Pred. No. 4.2e-200;  
 Matches 513; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

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QY 1 MGVLVGLALALAGLGFPAAPBPQSGSCVHDCFLYPGATFLNASQICDGLRHLM 60
DB 1 MGVLVGLALALAGLGFPAAPBPQSGSCVHDCFLYPGATFLNASQICDGLRHLM 60
QY 61 TVRSSVAADVISLLNGDGVGRRLMIGLQLPPGCGDKRLGRLGFQMTGDNNTSYS 120
DB 61 TVRSSVAADVISLLNGDGVGRRLMIGLQLPPGCGDKRLGRLGFQMTGDNNTSYS 120
QY 121 RMARLDLNGAPLCGPLCVASAABATVPSEPIWEBOQCEVKADGFLCEFHFPATCRPLAV 180
DB 121 RMARLDLNGAPLCGPLCVASAABATVPSEPIWEBOQCEVKADGFLCEFHFPATCRPLAV 180
QY 181 EPGAAAAVSIITGTFFPAARGADFOALPVGSSAAVAPLGLQIMCTAPPAVQGHMAREAP 240
DB 181 EPGAAAAVSIITGTFFPAARGADFOALPVGSSAAVAPLGLQIMCTAPPAVQGHMAREAP 240
QY 241 GAWDCSVENGCEHCNAIPGARPCCPAGALQADGRSCTAS--TQSCNDLCEHFCVNP 299
DB 241 GAWDCSVENGCEHCNAIPGARPCCPAGALQADGRSCTASATQSCNDLCEHFCVNP 297
QY 300 DQGSYSCKETGYRLAADHRCEDVDCTLESPCQRCVNTQGGFECYPNYDLVDG 359
DB 301 DQGSYSCKETGYRLAADHRCEDVDCTLESPCQRCVNTQGGFECYPNYDLVDG 360
QY 360 ECEPVPDPCFRANCEVQCCPLNOTSYLVCAGGFAPIPHBPHRCQFNCQTACPADCDPN 419
DB 361 ECEPVPDPCFRANCEVQCCPLNOTSYLVCAGGFAPIPHBPHRCQFNCQTACPADCDPN 420
QY 420 TQASCCEPBGYIIDDGFTCTDIDECENGFCGSGVCHNLPTFEFCICGPDALARIHGTDC 479
DB 421 TQASCCEPBGYIIDDGFTCTDIDECENGFCGSGVCHNLPTFEFCICGPDALARIHGTDC 480
QY 480 DSGKVDGSDSGSEPPSPTPGSTLTTPPAVGLVHSG 515
DB 481 DSGKVDGSDSGSEPPSPTPGSTLTTPPAVGLVHSG 516

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RESULT 11  
 US-09-994-1  
 Sequence 1, Application US/09509994  
 Patent No. 6808706  
 GENERAL INFORMATION:  
 APPLICANT: YUI, MASAKI  
 APPLICANT: YOKOZAWA, AKIRA  
 APPLICANT: MURATA, TOMOYO  
 APPLICANT: TSURUTA, KAZUHISA  
 APPLICANT: SHIMIZU, HIROTOOMO  
 TITLE OF INVENTION: METHOD FOR KEEPING THE QUALITY OF AQUEOUS PARENTERAL  
 TITLE OF INVENTION: SOLUTION OF THROMBOMODULIN IN STORAGE AND DISTRIBUTION  
 FILE REFERENCE: KP-8753  
 CURRENT APPLICATION NUMBER: US/09/509,994  
 CURRENT FILING DATE: 2000-05-08  
 PRIOR APPLICATION NUMBER: PCT/JP98/04609  
 PRIOR FILING DATE: 1998-10-13  
 PRIOR APPLICATION NUMBER: JP 9-281659  
 PRIOR FILING DATE: 1997-10-15  
 PRIOR APPLICATION NUMBER: JP 9-308523



; PRIOR FILING DATE: 1997-11-11  
 ; NUMBER OF SEQ ID NOS: 6  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 1  
 ; LENGTH: 516  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; OTHER INFORMATION: Partial amino acid sequences of a human  
 ; US-09-509-994-1

Query Match 90.0%; Score 2881.5; DB 2; Length 516;  
 Best Local Similarity 99.2%; Pred. No. 8,1e-200;  
 Matches 512; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 MCGVLVIGALALAGLGPAPAPAPPGGSCVEHDCFLYGPATFLNASQICDGLRGLHM 60  
 DB 1 MCGVLVIGALALAGLGPAPAPAPPGGSCVEHDCFLYGPATFLNASQICDGLRGLHM 60  
 QY 61 TVRSSVADYISLLNGDGGVRRRLMIGLQPRGCDPRKLGPRGFOWVTGDNNTSYS 120  
 DB 61 TVRSSVADYISLLNGDGGVRRRLMIGLQPRGCDPRKLGPRGFOWVTGDNNTSYS 120  
 QY 121 RMARLDLNGAPLPGPLCVAVSAEATVPSEPIWEEQCEVADGFLCEFFHPATCRPLAV 180  
 DB 121 RMARLDLNGAPLPGPLCVAVSAEATVPSEPIWEEQCEVADGFLCEFFHPATCRPLAV 180  
 QY 181 EPGAAAANAISITGTFFPAAGADPQALPVGSSAAVAPLGLQMTAPPGAOGHMAEAP 240  
 DB 181 EPGAAAANAISITGTFFPAAGADPQALPVGSSAAVAPLGLQMTAPPGAOGHMAEAP 240  
 QY 241 GANDCSEVNGGCHACNAIGARPCCCPAGALQADRSCTAS-TOSCNDLCEHFCVNP 259  
 DB 241 GANDCSEVNGGCHACNAIGARPCCCPAGALQADRSCTAS-TOSCNDLCEHFCVNP 259  
 QY 300 DQPGSYSCMCEYRILADHRCEVDVDCILBSPPCORCVNTQGFECHCYPNYDLVDG 359  
 DB 300 DQPGSYSCMCEYRILADHRCEVDVDCILBSPPCORCVNTQGFECHCYPNYDLVDG 359  
 QY 360 ECVPEVDPCEFRANCEYQCCPLNOTSYLCVCAEGFAPRPHBPHRCQMFCONGTACPADCPN 419  
 DB 360 ECVPEVDPCEFRANCEYQCCPLNOTSYLCVCAEGFAPRPHBPHRCQMFCONGTACPADCPN 419  
 QY 420 TQASCGCPGXYLLDDGFICTDIDECENGFCGSCVCHNLPTFEFCICGPDALARIHGTDC 479  
 DB 420 TQASCGCPGXYLLDDGFICTDIDECENGFCGSCVCHNLPTFEFCICGPDALARIHGTDC 479  
 QY 480 DSGKVDGDSGSGEPSPPTPGSTLTTPPAVGLVHSG 515  
 DB 480 DSGKVDGDSGSGEPSPPTPGSTLTTPPAVGLVHSG 515

RESULT 12  
 US-08-733-564-2  
 ; Sequence 2, Application US/08733564  
 ; Patent No. 5916874

; GENERAL INFORMATION:  
 ; APPLICANT: FUJIMURA, Kenji  
 ; APPLICANT: MOCHIDA, Satoshi  
 ; TITLE OF INVENTION: METHOD FOR TREATING LIVER INJURY  
 ; NUMBER OF SEQUENCES: 2  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Birch, Stewart, Kolaach & Birch, LLP  
 ; STREET: P.O. Box 747  
 ; CITY: Falls Church  
 ; STATE: Virginia  
 ; COUNTRY: USA  
 ; ZIP: 22040-0747  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS

; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/733,564  
 ; FILING DATE: 18 OCTOBER 1996  
 ; CLASSIFICATION: 514  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: SVENSSON, Leonard R.  
 ; REGISTRATION NUMBER: 30,330  
 ; REFERENCE/DOCKET NUMBER: 0216-0362P  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (703) 205-8000  
 ; TELEFAX: (703) 205-8050  
 ; TELEX: 248345  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 498 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: Protein  
 ; US-08-733-564-2

Query Match 87.3%; Score 2795.5; DB 1; Length 498;  
 Best Local Similarity 99.2%; Pred. No. 1.2e-193;  
 Matches 494; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 19 APAEPQGGSCVEHDCFLYGPATFLNASQICDGLRGLHMTVRSSVADYISLLNGD 78  
 DB 1 APAEPQGGSCVEHDCFLYGPATFLNASQICDGLRGLHMTVRSSVADYISLLNGD 60  
 QY 79 GGVRRRLMIGLQPRGCDPRKLGPRGFOWVTGDNNTSYSRMARLDLNGAPLPGPLCV 138  
 DB 61 GGVRRRLMIGLQPRGCDPRKLGPRGFOWVTGDNNTSYSRMARLDLNGAPLPGPLCV 120  
 QY 139 AVSAEATVPSEPIWEEQCEVADGFLCEFFHPATCRPLAVEPGAAAANAISITGTFFPA 198  
 DB 121 AVSAEATVPSEPIWEEQCEVADGFLCEFFHPATCRPLAVEPGAAAANAISITGTFFPA 180  
 QY 199 ARGADFOALPVGSSAAVAPLGLQMTAPPGAOGHMAEAPAMDCSVENGGCHACNA 258  
 DB 181 ARGADFOALPVGSSAAVAPLGLQMTAPPGAOGHMAEAPAMDCSVENGGCHACNA 240  
 QY 259 IPGARPCQCPAGALQADRSCTAS-TOSCNDLCEHFCVNPDPQPGSYSCMCEYRILAA 317  
 DB 241 IPGARPCQCPAGALQADRSCTASATOSCNDLCEHFCVNPDPQPGSYSCMCEYRILAA 300  
 QY 318 DQHRCEVDVDCILBSPPCORCVNTQGFECHCYPNYDLVDGCEVPEVDPCEFRANCEYQC 377  
 DB 301 DQHRCEVDVDCILBSPPCORCVNTQGFECHCYPNYDLVDGCEVPEVDPCEFRANCEYQC 360  
 QY 378 QPLNOTSYLCVCAEGFAPRPHBPHRCQMFCONGTACPADCPNTQASCEGPGXYLLDDGFI 437  
 DB 361 QPLNOTSYLCVCAEGFAPRPHBPHRCQMFCONGTACPADCPNTQASCEGPGXYLLDDGFI 420  
 QY 438 CTDIDECENGFCGSCVCHNLPTFEFCICGPDALARIHGTDCDSGKVDGDSGSGEPSP 497  
 DB 421 CTDIDECENGFCGSCVCHNLPTFEFCICGPDALARIHGTDCDSGKVDGDSGSGEPSP 480  
 QY 498 PTPGSTLTTPPAVGLVHSG 515  
 DB 481 PTPGSTLTTPPAVGLVHSG 498

RESULT 13

US-08-312-870-3  
 ; Sequence 3, Application US/08312870  
 ; Patent No. 5639625

; GENERAL INFORMATION:  
 ; APPLICANT: Carson, Craig W.  
 ; APPLICANT: Esmon, Charles T.  
 ; TITLE OF INVENTION: Method for Detecting Antibodies to  
 ; TITLE OF INVENTION: Thrombomodulin in Patients  
 ; NUMBER OF SEQUENCES: 11  
 ; CORRESPONDENCE ADDRESS:

```

ADDRESS: Richard, Medlock & Andrews
STREET: 1201 Elm Street, Suite 4500
CITY: Dallas
STATE: Texas
COUNTRY: US
ZIP: 75270-2197
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/312,870
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Hansen, Eugenia S.
REGISTRATION NUMBER: 31,966
REFERENCE/DOCKET NUMBER: OMRF B35150
TELECOMMUNICATION INFORMATION:
TELEPHONE: 214-939-4500
TELEFAX: 214-939-4600
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 497 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-312-870-3

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Query Match      87.2%; Score 2793.5; DB 1; Length 497;
Best Local Similarity 99.4%; Pred. No. 1,7e-193;
Matches 494; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

19  APAEPQGSQCYEHDCFFALYGPATFLNASQICDGLRGLMTVRSVADVISLLNGD 78
    |||
    1  APAEPQGSQCYEHDCFFALYGPATFLNASQICDGLRGLMTVRSVADVISLLNGD 60
    |||
    79  GGVGRRRLWIGLQLPFGCDPKRLGRLGFQWVGDNNTSYSRMARLDNGAPLCGPLCV 138
    |||
    61  GGVGRRRLWIGLQLPFGCDPKRLGRLGFQWVGDNNTSYSRMARLDNGAPLCGPLCV 120
    |||
    139  AVSAEAATVPSEPIWEQCEVADGFLCEFHFPATCRPLAVEPGAAAAVSIYGTTPA 198
    |||
    121  AVSAEAATVPSEPIWEQCEVADGFLCEFHFPATCRPLAVEPGAAAAVSIYGTTPA 180
    |||
    199  ARGADFOALPVSSAAVAPLGLQLMCTAPPGAVQGHWAEPAGANDCSVENGCCEHACNA 258
    |||
    181  ARGADFOALPVSSAAVAPLGLQLMCTAPPGAVQGHWAEPAGANDCSVENGCCEHACNA 240
    |||
    259  IPGARPCQCPAGALQADRSCTAS--TOSCNDCIENFCVNPDPQPSYSCMCETGYRLAA 317
    |||
    241  IPGARPCQCPAGALQADRSCTASATOSCNDCIENFCVNPDPQPSYSCMCETGYRLAA 300
    |||
    318  DQRCEDVDCCIIEPSPCQRCVNTQGFECCHCPYNDLVDBECVEBPVPCFRANCEYQC 377
    |||
    301  DQRCEDVDCCIIEPSPCQRCVNTQGFECCHCPYNDLVDBECVEBPVPCFRANCEYQC 360
    |||
    378  QPLNQTSYLCVABEGFAPLPHBPHRCMFCNQTACPADCPNTQASCECEBGYIILDGFI 437
    |||
    361  QPLNQTSYLCVABEGFAPLPHBPHRCMFCNQTACPADCPNTQASCECEBGYIILDGFI 420
    |||
    438  CTDIDECENGFCGSGVCHNLPGTFECICGPDALAHIGTDCDSKVDGSDSGSGEPSPS 497
    |||
    421  CTDIDECENGFCGSGVCHNLPGTFECICGPDALAHIGTDCDSKVDGSDSGSGEPSPS 480
    |||
    498  PTPGSTLTTPPAGLVHS 514
    |||
    481  PTPGSTLTTPPAGLVHS 497

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RESULT 14  
US-09-331-793-4

```

Sequence 4, Application US/09331793
Patent No. 6500646
GENERAL INFORMATION:
APPLICANT: KURIYAMA, Shintchi
APPLICANT: HASEGAWA, Takashi
TITLE OF INVENTION: CELL MEMBRANE DIRECTED DRUGS
FILE REFERENCE: 1110-253P
CURRENT APPLICATION NUMBER: US/09/331,793
CURRENT FILING DATE: 1999-06-25
NUMBER OF SEQ ID NOS: 67
SOFTWARE: Patent version 3.0
SEQ ID NO 4
LENGTH: 497
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-331-793-4

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Query Match      87.1%; Score 2789.5; DB 2; Length 497;
Best Local Similarity 99.2%; Pred. No. 3.3e-193;
Matches 493; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

19  APAEPQGSQCYEHDCFFALYGPATFLNASQICDGLRGLMTVRSVADVISLLNGD 78
    |||
    1  APAEPQGSQCYEHDCFFALYGPATFLNASQICDGLRGLMTVRSVADVISLLNGD 60
    |||
    79  GGVGRRRLWIGLQLPFGCDPKRLGRLGFQWVGDNNTSYSRMARLDNGAPLCGPLCV 138
    |||
    61  GGVGRRRLWIGLQLPFGCDPKRLGRLGFQWVGDNNTSYSRMARLDNGAPLCGPLCV 120
    |||
    139  AVSAEAATVPSEPIWEQCEVADGFLCEFHFPATCRPLAVEPGAAAAVSIYGTTPA 198
    |||
    121  AVSAEAATVPSEPIWEQCEVADGFLCEFHFPATCRPLAVEPGAAAAVSIYGTTPA 180
    |||
    199  ARGADFOALPVSSAAVAPLGLQLMCTAPPGAVQGHWAEPAGANDCSVENGCCEHACNA 258
    |||
    181  ARGADFOALPVSSAAVAPLGLQLMCTAPPGAVQGHWAEPAGANDCSVENGCCEHACNA 240
    |||
    259  IPGARPCQCPAGALQADRSCTAS--TOSCNDCIENFCVNPDPQPSYSCMCETGYRLAA 317
    |||
    241  IPGARPCQCPAGALQADRSCTASATOSCNDCIENFCVNPDPQPSYSCMCETGYRLAA 300
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    318  DQRCEDVDCCIIEPSPCQRCVNTQGFECCHCPYNDLVDBECVEBPVPCFRANCEYQC 377
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    301  DQRCEDVDCCIIEPSPCQRCVNTQGFECCHCPYNDLVDBECVEBPVPCFRANCEYQC 360
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    378  QPLNQTSYLCVABEGFAPLPHBPHRCMFCNQTACPADCPNTQASCECEBGYIILDGFI 437
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    361  QPLNQTSYLCVABEGFAPLPHBPHRCMFCNQTACPADCPNTQASCECEBGYIILDGFI 420
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    438  CTDIDECENGFCGSGVCHNLPGTFECICGPDALAHIGTDCDSKVDGSDSGSGEPSPS 497
    |||
    421  CTDIDECENGFCGSGVCHNLPGTFECICGPDALAHIGTDCDSKVDGSDSGSGEPSPS 480
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    498  PTPGSTLTTPPAGLVHS 514
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    481  PTPGSTLTTPPAGLVHS 497

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RESULT 15  
US-08-014-723-14  
Sequence 14, Application US/08014723  
Patent No. 5273962  
GENERAL INFORMATION:  
APPLICANT: Doi, Takeshi  
APPLICANT: Iwasaki, Akio  
APPLICANT: Saino, Yushi  
APPLICANT: Kimura, Shigeru  
APPLICANT: Okuchi, Masao  
TITLE OF INVENTION: Thrombin-Binding Substance and Process  
NUMBER OF SEQUENCES: 18  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,

ADDRESSEE: P.C.  
STREET: 1755 Jefferson Davis Highway, Fourth Floor  
CITY: Arlington  
STATE: Virginia  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/014,723  
FILING DATE: 19930208  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Oblon, No. 5273962man F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 80-071-0 CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 413-3000  
TELEFAX: (703) 413-2220  
TELEX: 248855 OPAT UR  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 494 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-014-723-14

Query Match 85.4%; Score 2735.5; DB 1; Length 494;  
Best Local Similarity 98.6%; Pred. No. 2 6e-189;  
Matches 487; Conservative 0; Mismatches 6; Indels 1; Gaps 1;  
QY 1 MGVLVIGALALAGLPAPAEPOGSGSCVEHDCFALYGPATFLNASQICDGLRGLM 60  
DB 1 MGVLVIGALALAGLPAPAEPOGSGSCVEHDCFALYGPATFLNASQICDGLRGLM 60  
QY 61 TYRSSVAADVISLLNGDGVGRRRLMIGQLPPGCCDPKRLGLRFGQVWTGDNNTSYS 120  
DB 61 TYRSSVAADVISLLNGDGVGRRRLMIGQLPPGCCDPKRLGLRFGQVWTGDNNTSYS 120  
QY 121 RMRALDLNGALPLCGPLCVASAEATVSEPIWEBOQCEYKADGFLCEFHFPATCRPLAV 180  
DB 121 RMRALDLNGALPLCGPLCVASAEATVSEPIWEBOQCEYKADGFLCEFHFPATCRPLAV 180  
QY 181 EPGAAAAVSIYGTFFAARGADFOALPVGSSAAVAPLGIQLMCTAPPGAVOGHMAREAP 240  
DB 181 EPGAAAAVSIYGTFFAARGADFOALPVGSSAAVAPLGIQLMCTAPPGAVOGHMAREAP 240  
QY 241 GAMDCSVENGCGCHACNAIPGARPCQCPAGALQADGRSCTAS-TOSCNDLCEHFCVPPNP 299  
DB 241 GAMDCSVENGCGCHACNAIPGARPCQCPAGALQADGRSCTAS-TOSCNDLCEHFCVPPNP 299  
QY 300 DOGSSYSCMCTETRYLAADQRCEDVDDCIIEPSPCFORCVNTQGGFECCHCYPNYDLVDG 359  
DB 301 DOGSSYSCMCTETRYLAADQRCEDVDDCIIEPSPCFORCVNTQGGFECCHCYPNYDLVDG 359  
QY 360 ECVPEVPDPCFRANCEYQCPPLNTSYLCVCAEGFAPIPHEPHRCQMFNCQFACPADCDPN 419  
DB 361 ECVPEVPDPCFRANCEYQCPPLNTSYLCVCAEGFAPIPHEPHRCQMFNCQFACPADCDPN 419  
QY 420 TQASCECPBGYIIDDGFICTDIDECENGFCGVCVCHNLPGTFECICGPDALARHIGTDC 479  
DB 421 TQASCECPBGYIIDDGFICTDIDECENGFCGVCVCHNLPGTFECICGPDALARHIGTDC 479  
QY 480 DSGKVDGDSGSGE 493  
DB 481 DSGKVDGDSGSGE 494

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GenCore version 5.1.8  
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OM protein - protein search, using sw model

Run on: May 18, 2006, 16:48:28 ; Search time 80 Seconds

(without alignments)  
3323.567 Million cell updates/sec

Title: US-10-725-013-2

Perfect score: 3203  
Sequence: 1 MGVVLGALALAGLGFPAAP.....APEKEVVLQVRRTRPQRL 574

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications AA Main:\*

- 1: /EMC\_Celerra\_SIDS3/prodata/2/pubppaa/US07\_PUBCOMB.pep:\*
- 2: /EMC\_Celerra\_SIDS3/prodata/2/pubppaa/US08\_PUBCOMB.pep:\*
- 3: /EMC\_Celerra\_SIDS3/prodata/2/pubppaa/US09\_PUBCOMB.pep:\*
- 4: /EMC\_Celerra\_SIDS3/prodata/2/pubppaa/US10\_PUBCOMB.pep:\*
- 5: /EMC\_Celerra\_SIDS3/prodata/2/pubppaa/US10\_PUBCOMB.pep:\*
- 6: /EMC\_Celerra\_SIDS3/prodata/2/pubppaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3203	100.0	574	4 US-10-725-013-2	Sequence 2, Appl1
2	3176.5	99.2	575	4 US-10-150-440-3	Sequence 3, Appl1
3	3176.5	99.2	575	4 US-10-373-801-29	Sequence 29, Appl1
4	3176.5	99.2	575	4 US-10-712-124-110	Sequence 110, Appl1
5	3176.5	99.2	575	5 US-10-785-156-2	Sequence 2, Appl1
6	3176.5	99.2	631	4 US-10-150-440-1	Sequence 1, Appl1
7	3176.5	99.2	631	4 US-10-741-601-309	Sequence 309, Appl1
8	3176.5	99.2	631	5 US-10-995-561-546	Sequence 546, Appl1
9	3172.5	99.0	575	3 US-09-938-405-2	Sequence 2, Appl1
10	3172.5	99.0	575	4 US-10-438-648-2	Sequence 2, Appl1
11	3172.5	99.0	575	4 US-10-410-195-2	Sequence 2, Appl1
12	3159.5	98.6	575	4 US-10-094-886-196	Sequence 196, Appl1
13	2885.5	90.1	516	5 US-10-501-671A-5	Sequence 5, Appl1
14	2881.5	87.0	516	5 US-10-501-671A-1	Sequence 1, Appl1
15	2789.5	87.1	497	4 US-10-298-796-4	Sequence 4, Appl1
16	13323	41.3	239	4 US-10-104-047-2759	Sequence 2759, Appl1
17	13323	41.3	239	6 US-11-072-512-2759	Sequence 2759, Appl1
18	1219	38.1	224	5 US-10-478-360-1	Sequence 1, Appl1
19	869	24.7	157	5 US-10-478-360-2	Sequence 2, Appl1
20	792.5	27.1	223	5 US-10-478-360-13	Sequence 13, Appl1
21	775.5	24.2	418	4 US-10-427-805-2	Sequence 2, Appl1
22	753	23.5	397	4 US-10-427-805-3	Sequence 3, Appl1
23	695	21.7	132	5 US-10-478-360-4	Sequence 4, Appl1
24	685	21.4	132	5 US-10-501-671A-7	Sequence 7, Appl1
25	681	21.3	132	5 US-10-501-671A-3	Sequence 3, Appl1
26	590.5	18.4	645	4 US-10-029-386-33151	Sequence 33151, Appl1
27	590.5	18.4	652	4 US-10-408-765A-1422	Sequence 1422, Appl1

28	590.5	18.4	652	5 US-10-741-600-1310	Sequence 1310, Appl1
29	590.5	18.4	652	5 US-10-741-600-1311	Sequence 1311, Appl1
30	590.5	18.4	652	5 US-10-820-155-1	Sequence 1, Appl1
31	590.5	18.4	652	5 US-10-820-155-79	Sequence 79, Appl1
32	588.5	18.4	652	3 US-09-789-919-96	Sequence 96, Appl1
33	587.5	18.3	648	5 US-10-461-862-116	Sequence 116, Appl1
34	587.5	18.3	648	5 US-10-461-862-118	Sequence 118, Appl1
35	587.5	18.3	652	4 US-10-021-660-83	Sequence 83, Appl1
36	587.5	18.3	652	4 US-10-211-462-131	Sequence 131, Appl1
37	587.5	18.3	652	5 US-10-820-155-82	Sequence 82, Appl1
38	587.5	18.3	652	5 US-10-820-155-117	Sequence 117, Appl1
39	587.5	18.3	652	5 US-10-821-234-1016	Sequence 1016, Appl1
40	578	18.0	467	4 US-10-210-172-1176	Sequence 176, Appl1
41	578	18.0	757	3 US-09-918-715-177	Sequence 177, Appl1
42	578	18.0	757	3 US-09-918-715-196	Sequence 196, Appl1
43	578	18.0	757	4 US-10-262-445-107	Sequence 107, Appl1
44	578	18.0	757	4 US-10-712-124-102	Sequence 102, Appl1
45	578	18.0	757	4 US-10-474-794-177	Sequence 177, Appl1

## ALIGNMENTS

RESULT 1  
US-10-725-013-2  
; Sequence 2, Application US/10725013  
; Publication No. US20040198683A1  
; GENERAL INFORMATION:  
; APPLICANT: Sengal, Lakshman R.  
; TITLE OF INVENTION: Ex vivo and in vivo expression of the thrombomodulin gene  
; TITLE OF INVENTION: For the treatment of cardiovascular and peripheral vascular diseases  
; FILE REFERENCE: 3840-005-27  
; CURRENT APPLICATION NUMBER: US/10/725, 013  
; CURRENT FILING DATE: 2003-12-02  
; PRIOR APPLICATION NUMBER: US 60/430, 099  
; PRIOR FILING DATE: 2002-12-02  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 574  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-725-013-2

Query Match 100.0%; Score 3203; DB 4; Length 574;  
Best Local Similarity 100.0%; Pred. No. 1.2e-209;  
Matches 574; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MGVVLGALALAGLGFPAAPBPQSGSCVHDCFLYGPATFLNASQICDGLRGLM	60
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QY	61	TVSSVAADVISLLNLDGSGVRRRLMTGLQLPPGCGDPRGLPLRGFQWVTGDNNTSYS	120
DB	1	TVSSVAADVISLLNLDGSGVRRRLMTGLQLPPGCGDPRGLPLRGFQWVTGDNNTSYS	120
QY	121	RWARLDLNGAPLCGPLCVAVSAEATVPSPPIVEBOQCEYKADGFLCEHFPATCTPPLAV	180
DB	121	RWARLDLNGAPLCGPLCVAVSAEATVPSPPIVEBOQCEYKADGFLCEHFPATCTPPLAV	180
QY	61	TVSSVAADVISLLNLDGSGVRRRLMTGLQLPPGCGDPRGLPLRGFQWVTGDNNTSYS	120
DB	61	TVSSVAADVISLLNLDGSGVRRRLMTGLQLPPGCGDPRGLPLRGFQWVTGDNNTSYS	120
QY	181	EPGAAVAASITGTGPFAAGADFOALPVGSSAAVAPLIGLQMLCTAPPGAVQGHMAREAP	240
DB	181	EPGAAVAASITGTGPFAAGADFOALPVGSSAAVAPLIGLQMLCTAPPGAVQGHMAREAP	240
QY	241	GAWDCSVENGSCHEACNAIPGARPCQCPAGALQADGRSCTASTAGSCNDICEHFCVNPND	300
DB	241	GAWDCSVENGSCHEACNAIPGARPCQCPAGALQADGRSCTASTAGSCNDICEHFCVNPND	300
QY	301	QPGSYGCKETGYRLAADQRCEDVDDCILEPSPCQRCVNTGSGFECHCYPRYDLVDGE	360
DB	301	QPGSYGCKETGYRLAADQRCEDVDDCILEPSPCQRCVNTGSGFECHCYPRYDLVDGE	360

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QY 361 CVPVDFCFRANCEYQCPPLNQTSTYLCVCAEGFAP1PHEPRCOMFCNQTAACPADCDPNT 420
DB 361 CVPVDFCFRANCEYQCPPLNQTSTYLCVCAEGFAP1PHEPRCOMFCNQTAACPADCDPNT 420
QY 421 QASCECPBGYI1DDGFTCTDIDECENGFCSCGVCHNLPGTFECCI GCPDSALAH1GTDCC 480
DB 421 QASCECPBGYI1DDGFTCTDIDECENGFCSCGVCHNLPGTFECCI GCPDSALAH1GTDCC 480
QY 481 SGKVDGDSGSGSEPPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLRK 540
DB 481 SGKVDGDSGSGSEPPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLRK 540
QY 541 KQGAARAKMEYKCAAPSKEVVLQHVTERTERPRL 574
DB 541 KQGAARAKMEYKCAAPSKEVVLQHVTERTERPRL 574

RESULT 2
US-10-150-440-3
; Sequence 3, Application US/10150440
; Publication No. US2003002249A1
; GENERAL INFORMATION:
; APPLICANT: Schmitz, Juergen
; APPLICANT: Buck, David William
; APPLICANT: Dzionek, Andrzej
; TITLE OF INVENTION: ANTIGEN-BINDING FRAGMENTS THAT RECOGNIZE
; TITLE OF INVENTION: A SUBSET OF DENDRITIC CELLS AND METHODS OF USE THEREOF
; FILE REFERENCE: 212302001200
; CURRENT APPLICATION NUMBER: US/10/150,440
; CURRENT FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: US 09/714,712
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 60/291,561
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 60/197,205
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: US 60/196,824
; PRIOR FILING DATE: 2000-04-11
; PRIOR APPLICATION NUMBER: US 60/180,775
; PRIOR FILING DATE: 2000-02-07
; PRIOR APPLICATION NUMBER: US 60/179,003
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/167,076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/165,565
; PRIOR FILING DATE: 1999-11-15
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FaastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 575
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-150-440-3

Query Match 99.2%; Score 3176.5; DB 4; Length 575;
Best Local Similarity 99.5%; Pred. No. 7.5e-208;
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;
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QY 241 GAWDCSVENGSCCHACNA1PGARPCQCPAGAA1QADGRSCTAS-TQSCNDLCEHFCVNP 299
DB 241 GAWDCSVENGSCCHACNA1PGARPCQCPAGAA1QADGRSCTASATQSCNDLCEHFCVNP 300
QY 300 DQGSYSKCEGTGYRLAADOHRCEVDVDC1LEBSPCPCRCVNTQGGFECCHCPNYDLVDG 359
DB 301 DQGSYSKCEGTGYRLAADOHRCEVDVDC1LEBSPCPCRCVNTQGGFECCHCPNYDLVDG 360
QY 360 ECVPEVDFCFRANCEYQCPPLNQTSTYLCVCAEGFAP1PHEPRCOMFCNQTAACPADCDP 419
DB 361 ECVPEVDFCFRANCEYQCPPLNQTSTYLCVCAEGFAP1PHEPRCOMFCNQTAACPADCDP 420
QY 420 TQASCECPBGYI1DDGFTCTDIDECENGFCSCGVCHNLPGTFECCI GCPDSALAH1GTDCC 479
DB 421 TQASCECPBGYI1DDGFTCTDIDECENGFCSCGVCHNLPGTFECCI GCPDSALAH1GTDCC 480
QY 480 DSGKVDGDSGSGSEPPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 539
DB 481 DSGKVDGDSGSGSEPPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 540
QY 540 KQGAARAKMEYKCAAPSKEVVLQHVTERTERPRL 574
DB 541 KQGAARAKMEYKCAAPSKEVVLQHVTERTERPRL 574

RESULT 3
US-10-373-801-29
; Sequence 29, Application US/10373801
; Publication No. US2004000564A1
; GENERAL INFORMATION:
; APPLICANT: yibai Pharmaceutical (USA)
; TITLE OF INVENTION: Method and composition for detection and treatment of breast can-
; FILE REFERENCE: 12399.00
; CURRENT APPLICATION NUMBER: US/10/373,801
; CURRENT FILING DATE: 2003-02-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 575
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-373-801-29

Query Match 99.2%; Score 3176.5; DB 4; Length 575;
Best Local Similarity 99.5%; Pred. No. 7.5e-208;
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;
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QY 420 TQASCCEPBGYIILDDGFICTDIDECENGFGCGVCHNLPGTFECICGPPSALARHIGTDC 479  
Db 421 TQASCCEPBGYIILDDGFICTDIDECENGFGCGVCHNLPGTFECICGPPSALARHIGTDC 480  
QY 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 539  
Db 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 540  
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Db 541 KKGAAARAKMEYKCAAPSKKEVVLQHVHRTERTPQRL 575

RESULT 4  
US-10-712-124-110  
; Sequence 110, Application US/10712124  
; Publication No. US20040146907A1  
; GENERAL INFORMATION:  
; APPLICANT: SMITH, VICTORIA  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING DYSPLASIA  
; FILE REFERENCE: P2000R1  
; CURRENT APPLICATION NUMBER: US/10/712,124  
; CURRENT FILING DATE: 2003-11-13  
; PRIOR APPLICATION NUMBER: US 60/425,813  
; PRIOR FILING DATE: 2002-11-13  
; NUMBER OF SEQ ID NOS: 123  
; SEQ ID NO 110  
; LENGTH: 575  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-712-124-110

Query Match 99.2%; Score 3176.5; DB 4; Length 575;  
Best Local Similarity 99.5%; Pred. No. 7.5e-208;  
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 MGVLVGLALALAGLGFPAAPAEPOGSGQCEVHDCFLALYGPATFLNASQICDGLRGHLM 60  
Db 1 MGVLVGLALALAGLGFPAAPAEPOGSGQCEVHDCFLALYGPATFLNASQICDGLRGHLM 60  
QY 61 TYRSSVAADVISLLNGDGVGRRLMTGLQLPFGGDKRGLGFLGFWVTGDDNNTSYS 120  
Db 61 TYRSSVAADVISLLNGDGVGRRLMTGLQLPFGGDKRGLGFLGFWVTGDDNNTSYS 120  
QY 121 RMARLDLNGAPLPGPLCVAVSAAEATVPSEPIWEBOQCEVKADGFLCEHFHFPATCRPLAY 180  
Db 121 RMARLDLNGAPLPGPLCVAVSAAEATVPSEPIWEBOQCEVKADGFLCEHFHFPATCRPLAY 180  
QY 181 BFGAAAAVSIYGTGTFPAARGADFOALPVGSSAAVAPLGLQIMCTAPPGAVOGHMARBEAP 240  
Db 181 BFGAAAAVSIYGTGTFPAARGADFOALPVGSSAAVAPLGLQIMCTAPPGAVOGHMARBEAP 240  
QY 241 GAMDCSVENGCGEHAHCNAPGARPCQCPAGALQADGRCTASATQSCNDLCEHFCVPPNP 299  
Db 241 GAMDCSVENGCGEHAHCNAPGARPCQCPAGALQADGRCTASATQSCNDLCEHFCVPPNP 300  
QY 300 DPGSYSCMCEGTGYRLAADQHRCEVDVDCILBSPCPCQRCVNTQGSGFEGCHYPNYDLVNG 359  
Db 301 DPGSYSCMCEGTGYRLAADQHRCEVDVDCILBSPCPCQRCVNTQGSGFEGCHYPNYDLVNG 360  
QY 360 ECYEPVDFRANCEYQCQQLNQTSTYLCVABGFAPRPHRPHRCQMFNCNQTACPADCDPN 419  
Db 361 ECYEPVDFRANCEYQCQQLNQTSTYLCVABGFAPRPHRPHRCQMFNCNQTACPADCDPN 420  
QY 420 TQASCCEPBGYIILDDGFICTDIDECENGFGCGVCHNLPGTFECICGPPSALARHIGTDC 479  
Db 421 TQASCCEPBGYIILDDGFICTDIDECENGFGCGVCHNLPGTFECICGPPSALARHIGTDC 480  
QY 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 539  
Db 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 540

Db 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 540  
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Db 541 KKGAAARAKMEYKCAAPSKKEVVLQHVHRTERTPQRL 575

RESULT 5  
US-10-785-156-2  
; Sequence 2, Application US/10785156  
; Publication No. US20050106124A1  
; GENERAL INFORMATION:  
; APPLICANT: Sehgal, Lakshman R.  
; APPLICANT: Wong, Jonathan  
; APPLICANT: Seth, Prem  
; TITLE OF INVENTION: Therapeutic Applications of Thrombomodulin Gene Via Viral and  
; FILE REFERENCE: Non-Viral Vectors  
; FILE REFERENCE: 3840-006-27  
; CURRENT APPLICATION NUMBER: US/10/785,156  
; CURRENT FILING DATE: 2004-02-25  
; PRIOR APPLICATION NUMBER: US 60/449,408  
; PRIOR FILING DATE: 2003-02-25  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 575  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-785-156-2

Query Match 99.2%; Score 3176.5; DB 5; Length 575;  
Best Local Similarity 99.5%; Pred. No. 7.5e-208;  
Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

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Db 1 MGVLVGLALALAGLGFPAAPAEPOGSGQCEVHDCFLALYGPATFLNASQICDGLRGHLM 60  
QY 61 TYRSSVAADVISLLNGDGVGRRLMTGLQLPFGGDKRGLGFLGFWVTGDDNNTSYS 120  
Db 61 TYRSSVAADVISLLNGDGVGRRLMTGLQLPFGGDKRGLGFLGFWVTGDDNNTSYS 120  
QY 121 RMARLDLNGAPLPGPLCVAVSAAEATVPSEPIWEBOQCEVKADGFLCEHFHFPATCRPLAY 180  
Db 121 RMARLDLNGAPLPGPLCVAVSAAEATVPSEPIWEBOQCEVKADGFLCEHFHFPATCRPLAY 180  
QY 181 BFGAAAAVSIYGTGTFPAARGADFOALPVGSSAAVAPLGLQIMCTAPPGAVOGHMARBEAP 240  
Db 181 BFGAAAAVSIYGTGTFPAARGADFOALPVGSSAAVAPLGLQIMCTAPPGAVOGHMARBEAP 240  
QY 241 GAMDCSVENGCGEHAHCNAPGARPCQCPAGALQADGRCTASATQSCNDLCEHFCVPPNP 299  
Db 241 GAMDCSVENGCGEHAHCNAPGARPCQCPAGALQADGRCTASATQSCNDLCEHFCVPPNP 300  
QY 300 DPGSYSCMCEGTGYRLAADQHRCEVDVDCILBSPCPCQRCVNTQGSGFEGCHYPNYDLVNG 359  
Db 301 DPGSYSCMCEGTGYRLAADQHRCEVDVDCILBSPCPCQRCVNTQGSGFEGCHYPNYDLVNG 360  
QY 360 ECYEPVDFRANCEYQCQQLNQTSTYLCVABGFAPRPHRPHRCQMFNCNQTACPADCDPN 419  
Db 361 ECYEPVDFRANCEYQCQQLNQTSTYLCVABGFAPRPHRPHRCQMFNCNQTACPADCDPN 420  
QY 420 TQASCCEPBGYIILDDGFICTDIDECENGFGCGVCHNLPGTFECICGPPSALARHIGTDC 479  
Db 421 TQASCCEPBGYIILDDGFICTDIDECENGFGCGVCHNLPGTFECICGPPSALARHIGTDC 480  
QY 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 539  
Db 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALALCHLR 540  
QY 540 KKGAAARAKMEYKCAAPSKKEVVLQHVHRTERTPQRL 574  
Db 541 KKGAAARAKMEYKCAAPSKKEVVLQHVHRTERTPQRL 575

## RESULT 6

US-10-150-440-1

Sequence 1, Application US/10150440

Publication No. US20030022249A1

GENERAL INFORMATION:

APPLICANT: Schmitz, Juergen

APPLICANT: Dzionek, Andrzej

APPLICANT: Buck, David William

TITLE OF INVENTION: ANTIGEN-BINDING FRAGMENTS THAT RECOGNIZE

FILE OF INVENTION: A SUBSET OF DENDRITIC CELLS AND METHODS OF USE THEREOF

FILE REFERENCE: 212302001200

CURRENT APPLICATION NUMBER: US/10/150,440

CURRENT FILING DATE: 2002-10-01

PRIOR APPLICATION NUMBER: US 09/714,712

PRIOR FILING DATE: 2000-11-15

PRIOR APPLICATION NUMBER: US 60/291,561

PRIOR FILING DATE: 2001-05-17

PRIOR APPLICATION NUMBER: US 60/197,205

PRIOR FILING DATE: 2000-04-13

PRIOR APPLICATION NUMBER: US 60/196,824

PRIOR FILING DATE: 2000-04-11

PRIOR APPLICATION NUMBER: US 60/180,775

PRIOR FILING DATE: 2000-02-07

PRIOR APPLICATION NUMBER: US 60/179,003

PRIOR FILING DATE: 2000-01-28

PRIOR APPLICATION NUMBER: US 60/167,076

PRIOR FILING DATE: 1999-11-23

PRIOR APPLICATION NUMBER: US 60/165,555

PRIOR FILING DATE: 1999-11-15

NUMBER OF SEQ ID NOS: 3

SOFTWARE: FaastSeq for Windows Version 4.0

SEQ ID NO 1

LENGTH: 631

TYPE: PRT

ORGANISM: Homo Sapiens

US-10-150-440-1

Query Match 99.2%; Score 3176.5; DB 4; Length 631;

Best Local Similarity 99.5%; Pred. No. 8.3e-208;

Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

1 MGVLVGLALALAGLPAPAPBPQSGSCVHDCALYPGATFLNMQICDGLRGHLM 60  
 57 MGVLVGLALALAGLPAPAPBPQSGSCVHDCALYPGATFLNMQICDGLRGHLM 116  
 61 TVRSSVAADVISTLLNGDGGVGRRLMIGLQLPFGCGDPKRLGPRGFMVTDGNNNTSYS 120  
 117 TVRSSVAADVISTLLNGDGGVGRRLMIGLQLPFGCGDPKRLGPRGFMVTDGNNNTSYS 176  
 121 RVARLDLNGAPLPGPLCVAVSAEATVPSEPIWEBOCEVKADGFLCEHFPAATCRPLAY 180  
 177 RVARLDLNGAPLPGPLCVAVSAEATVPSEPIWEBOCEVKADGFLCEHFPAATCRPLAY 236  
 181 EPGAAAASITTYGTFPAARGADFOALPVSSAAVAAPLGLQMLCTAPPAVQGHMAREAP 240  
 237 EPGAAAASITTYGTFPAARGADFOALPVSSAAVAAPLGLQMLCTAPPAVQGHMAREAP 296  
 241 GAWDCSVENGCEHACNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFCVPM 299  
 297 GAWDCSVENGCEHACNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFCVPM 356  
 300 DPGSYSQMCETGYRLAADQHRCEVDVDCILEBSPQRCVNTQGGFECCHYPNYDLVDG 359  
 357 DPGSYSQMCETGYRLAADQHRCEVDVDCILEBSPQRCVNTQGGFECCHYPNYDLVDG 416  
 360 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPHRCQMFQNTACPADCDPN 419  
 417 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPHRCQMFQNTACPADCDPN 476  
 420 TQASCCEPBGYILDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALAHIGTDC 479

## RESULT 7

US-10-741-601-309

Sequence 309, Application US/10741601

Publication No. US20040166519A1

GENERAL INFORMATION:

APPLICANT: CARGILL, Michele et al.

TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

FILE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001500

CURRENT APPLICATION NUMBER: US/10/741,601

CURRENT FILING DATE: 2003-12-22

NUMBER OF SEQ ID NOS: 26415

SOFTWARE: FaastSeq for Windows Version 4.0

SEQ ID NO 309

LENGTH: 631

TYPE: PRT

ORGANISM: Homo sapiens

US-10-741-601-309

Query Match 99.2%; Score 3176.5; DB 4; Length 631;

Best Local Similarity 99.5%; Pred. No. 8.3e-208;

Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

1 MGVLVGLALALAGLPAPAPBPQSGSCVHDCALYPGATFLNMQICDGLRGHLM 60  
 57 MGVLVGLALALAGLPAPAPBPQSGSCVHDCALYPGATFLNMQICDGLRGHLM 116  
 61 TVRSSVAADVISTLLNGDGGVGRRLMIGLQLPFGCGDPKRLGPRGFMVTDGNNNTSYS 120  
 117 TVRSSVAADVISTLLNGDGGVGRRLMIGLQLPFGCGDPKRLGPRGFMVTDGNNNTSYS 176  
 121 RVARLDLNGAPLPGPLCVAVSAEATVPSEPIWEBOCEVKADGFLCEHFPAATCRPLAY 180  
 177 RVARLDLNGAPLPGPLCVAVSAEATVPSEPIWEBOCEVKADGFLCEHFPAATCRPLAY 236  
 181 EPGAAAASITTYGTFPAARGADFOALPVSSAAVAAPLGLQMLCTAPPAVQGHMAREAP 240  
 237 EPGAAAASITTYGTFPAARGADFOALPVSSAAVAAPLGLQMLCTAPPAVQGHMAREAP 296  
 241 GAWDCSVENGCEHACNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFCVPM 299  
 297 GAWDCSVENGCEHACNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFCVPM 356  
 300 DPGSYSQMCETGYRLAADQHRCEVDVDCILEBSPQRCVNTQGGFECCHYPNYDLVDG 359  
 357 DPGSYSQMCETGYRLAADQHRCEVDVDCILEBSPQRCVNTQGGFECCHYPNYDLVDG 416  
 360 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPHRCQMFQNTACPADCDPN 419  
 417 ECEVPDPCFRANCEYQCCPLNQTSTYLCVCAEGFAPIPHEPHRCQMFQNTACPADCDPN 476  
 420 TQASCCEPBGYILDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALAHIGTDC 479  
 477 TQASCCEPBGYILDDGFICTDIDECENGFCGSGVCHNLPGTFECICGPDALAHIGTDC 536  
 480 DSGKVDGSDSGSEPPSPPTPGSTLTPPAVGLVHSGLLIGISIASICLVALLALICHHR 539  
 537 DSGKVDGSDSGSEPPSPPTPGSTLTPPAVGLVHSGLLIGISIASICLVALLALICHHR 596  
 540 KKGGAARAMEYKCAAPSKKEVVLQHVTRTERTQRL 574  
 597 KKGGAARAMEYKCAAPSKKEVVLQHVTRTERTQRL 631



## RESULT 8

US-10-995-561-546  
 ; Sequence 546, Application US/10995561  
 ; Publication No. US20050272054A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CARGILL, Michele et al.  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 ; CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
 ; DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL001559  
 ; CURRENT APPLICATION NUMBER: US/10/995,561  
 ; CURRENT FILING DATE: 2004-11-24  
 ; NUMBER OF SEQ. ID NOS: 85702  
 ; SOFTWARE: PatSeq for Windows Version 4.0  
 ; SEQ ID NO 546  
 ; LENGTH: 631  
 ; TYPE: PR  
 ; ORGANISM: Homo sapiens  
 US-10-995-561-546

Query Match 99.2%; Score 3176.5; DB 5; Length 631;  
 Best Local Similarity 99.5%; Pred. No. 8.3e-208;  
 Matches 572; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 MGVVLVGLALALAGLGFPAAPBPQPGSQCVHDCFPALYGPATFLNASQICDGLGHLM 60  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 57 MGVVLVGLALALAGLGFPAAPBPQPGSQCVHDCFPALYGPATFLNASQICDGLGHLM 116  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 61 TVRSSVAADVISTLLNGDGVGRRRLMIGQLPPGCGDPRGLRGLGFQWVTGDNNTSYS 120  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 117 TVRSSVAADVISTLLNGDGVGRRRLMIGQLPPGCGDPRGLRGLGFQWVTGDNNTSYS 176  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 121 RWRRLDNLNGLPGLCPICVAVSAEAATVPSEPIWEBOQCEVKADGFLCEFFHPATCRPLAY 180  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 177 RWRRLDNLNGLPGLCPICVAVSAEAATVPSEPIWEBOQCEVKADGFLCEFFHPATCRPLAY 236  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 181 EPGAAAAVSTYGTGTPFAARGADFOALPVSSAAVAPLGIQLMCTAPPGAQVGHMAREAP 240  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 237 EPGAAAAVSTYGTGTPFAARGADFOALPVSSAAVAPLGIQLMCTAPPGAQVGHMAREAP 296  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 241 GAWDCSVENGCEHCNAIPGARPCCPAGALQADGRSCTAS-TQSCNDLCHEFCVNP 299  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 297 GAWDCSVENGCEHCNAIPGARPCCPAGALQADGRSCTAS-TQSCNDLCHEFCVNP 356  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 300 DPGSYSKMCETGYRLAADQHRCEVDVDCILBSPPCPCVNTQGGFEGCHCYPNYDLVDG 359  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 357 DPGSYSKMCETGYRLAADQHRCEVDVDCILBSPPCPCVNTQGGFEGCHCYPNYDLVDG 416  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 360 ECEVPDPCFRANCEYQCCPLNNTSYLVCABGFAPIPHEPRHCOMFCNOTACPADCPN 419  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 417 ECEVPDPCFRANCEYQCCPLNNTSYLVCABGFAPIPHEPRHCOMFCNOTACPADCPN 476  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 420 TQASCECPBGYIILDGFCITDIDECENGGFCGVCNHLPGTFECICGPDALARIHIGTDC 479  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 477 TQASCECPBGYIILDGFCITDIDECENGGFCGVCNHLPGTFECICGPDALARIHIGTDC 536  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 480 DSGKVDGSDSGSGEPSPPTPGSTLTTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 539  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 537 DSGKVDGSDSGSGEPSPPTPGSTLTTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 596  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 540 KKGARARMEYKCAAPSKREVLOHRTERTPORL 574  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 597 KKGARARMEYKCAAPSKREVLOHRTERTPORL 631  
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## RESULT 9

US-09-938-405-2  
 ; Sequence 2, Application US/09938405  
 ; Patent No. US2002011296A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Festeoff, Barry W.

APPLICANT: Morser, Michael J.  
 ; TITLE OF INVENTION: Thrombomodulin Analogs for Use in Recovery of Spinal Cord Injury  
 ; FILE REFERENCE: 51960AUSM1  
 ; CURRENT APPLICATION NUMBER: US/09/938,405  
 ; CURRENT FILING DATE: 2001-08-23  
 ; PRIOR APPLICATION NUMBER: 60/229,714  
 ; PRIOR FILING DATE: 2000-08-31  
 ; NUMBER OF SEQ. ID NOS: 2  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 2  
 ; LENGTH: 575  
 ; TYPE: PR  
 ; ORGANISM: Homo sapiens  
 US-09-938-405-2

Query Match 99.0%; Score 3172.5; DB 3; Length 575;  
 Best Local Similarity 99.3%; Pred. No. 1.4e-207;  
 Matches 571; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 MGVVLVGLALALAGLGFPAAPBPQPGSQCVHDCFPALYGPATFLNASQICDGLGHLM 60  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 1 MGVVLVGLALALAGLGFPAAPBPQPGSQCVHDCFPALYGPATFLNASQICDGLGHLM 60  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 61 TVRSSVAADVISTLLNGDGVGRRRLMIGQLPPGCGDPRGLRGLGFQWVTGDNNTSYS 120  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 61 TVRSSVAADVISTLLNGDGVGRRRLMIGQLPPGCGDPRGLRGLGFQWVTGDNNTSYS 120  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 121 RWRRLDNLNGLPGLCPICVAVSAEAATVPSEPIWEBOQCEVKADGFLCEFFHPATCRPLAY 180  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 121 RWRRLDNLNGLPGLCPICVAVSAEAATVPSEPIWEBOQCEVKADGFLCEFFHPATCRPLAY 180  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 181 EPGAAAAVSTYGTGTPFAARGADFOALPVSSAAVAPLGIQLMCTAPPGAQVGHMAREAP 240  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 181 EPGAAAAVSTYGTGTPFAARGADFOALPVSSAAVAPLGIQLMCTAPPGAQVGHMAREAP 240  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 241 GAWDCSVENGCEHCNAIPGARPCCPAGALQADGRSCTAS-TQSCNDLCHEFCVNP 299  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 241 GAWDCSVENGCEHCNAIPGARPCCPAGALQADGRSCTAS-TQSCNDLCHEFCVNP 300  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 300 DPGSYSKMCETGYRLAADQHRCEVDVDCILBSPPCPCVNTQGGFEGCHCYPNYDLVDG 359  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 301 DPGSYSKMCETGYRLAADQHRCEVDVDCILBSPPCPCVNTQGGFEGCHCYPNYDLVDG 360  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 360 ECEVPDPCFRANCEYQCCPLNNTSYLVCABGFAPIPHEPRHCOMFCNOTACPADCPN 419  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 361 ECEVPDPCFRANCEYQCCPLNNTSYLVCABGFAPIPHEPRHCOMFCNOTACPADCPN 420  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 420 TQASCECPBGYIILDGFCITDIDECENGGFCGVCNHLPGTFECICGPDALARIHIGTDC 479  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 421 TQASCECPBGYIILDGFCITDIDECENGGFCGVCNHLPGTFECICGPDALARIHIGTDC 480  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 480 DSGKVDGSDSGSGEPSPPTPGSTLTTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 539  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 481 DSGKVDGSDSGSGEPSPPTPGSTLTTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 540  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 QY 540 KKGARARMEYKCAAPSKREVLOHRTERTPORL 574  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 DB 541 KKGARARMEYKCAAPSKREVLOHRTERTPORL 575  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

## RESULT 10

US-10-438-648-2  
 ; Sequence 2, Application US/10438648  
 ; Publication No. US2003018683A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Light, David  
 ; APPLICANT: Nagashima, Mariko  
 ; APPLICANT: Morser, Michael J  
 ; TITLE OF INVENTION: Thrombomodulin Analogs for Pharmaceutical Use  
 ; FILE REFERENCE: 51863AUSD1  
 ; CURRENT APPLICATION NUMBER: US/10/438,648  
 ; CURRENT FILING DATE: 2003-05-14  
 ; PRIOR APPLICATION NUMBER: US 60/213,678

; PRIOR FILING DATE: 2000-06-21  
 ; PRIOR APPLICATION NUMBER: US 09/880,484  
 ; PRIOR FILING DATE: 2001-06-12  
 ; NUMBER OF SEQ ID NOS: 18  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 2  
 ; LENGTH: 575  
 ; TYPE: PRF  
 ; ORGANISM: Homo sapiens  
 US-10-438-648-2

Query Match 99.0%; Score 3172.5; DB 4; Length 575;  
 Best Local Similarity 99.3%; Pred. No. 1,4e-207;  
 Matches 571; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

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QY 1 MGVVLVGLALAGLGFPPAPAEPOPGSGQCVHDCPALYPGPATPLNAGQICDGLRGHLM 60
DB 1 MGVVLVGLALAGLGFPPAPAEPOPGSGQCVHDCPALYPGPATPLNAGQICDGLRGHLM 60
QY 61 TVRSSVAADVISLLNGDGGVRRRLMIGLQLPPGCGDKRLGRLGFGQMTGDNNTSYS 120
DB 61 TVRSSVAADVISLLNGDGGVRRRLMIGLQLPPGCGDKRLGRLGFGQMTGDNNTSYS 120
QY 121 RMARLDLNGAPLPGPLCVASAATVPSEPIWEEOQCEVKADGFLCEFHFPATCRPLAV 180
DB 121 RMARLDLNGAPLPGPLCVASAATVPSEPIWEEOQCEVKADGFLCEFHFPATCRPLAV 180
QY 181 EPGAAANAASITTYGTPFAAGADFOALPVSSAANAVALGLQLMCTAPPGAVOGHMAREAP 240
DB 181 EPGAAANAASITTYGTPFAAGADFOALPVSSAANAVALGLQLMCTAPPGAVOGHMAREAP 240
QY 241 GAMDGVENGCGEHCNAILPGARPCOCPPAGALOADGRSCTAS-TOSCNLDCEHFCVNP 299
DB 241 GAMDGVENGCGEHCNAILPGARPCOCPPAGALOADGRSCTAS-TOSCNLDCEHFCVNP 299
QY 300 DPGSYSQCMETGYRLAADQHRCEVDVDCILBSPPCQRCVNTGGGFECHCYPNYDLVDG 359
DB 301 DPGSYSQCMETGYRLAADQHRCEVDVDCILBSPPCQRCVNTGGGFECHCYPNYDLVDG 360
QY 360 ECEVPDPFRANCEYQCCPLNQTSTYLCVCAAGFAPIRHEPRCQMFQNTACPADCDN 419
DB 361 ECEVPDPFRANCEYQCCPLNQTSTYLCVCAAGFAPIRHEPRCQMFQNTACPADCDN 420
QY 420 TQASCECPBGYIIDDGFICTDIDECENGFSGVCHNLPGTFECICGPDALVRHIGTDC 479
DB 421 TQASCECPBGYIIDDGFICTDIDECENGFSGVCHNLPGTFECICGPDALVRHIGTDC 480
QY 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 539
DB 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 540
QY 540 KKGGAARAKMEYKCAAPSKREVVLQHVTERTPORL 574
DB 541 KKGGAARAKMEYKCAAPSKREVVLQHVTERTPORL 575
  
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## RESULT 11

; Sequence 2, Application US/10410195  
 ; Publication No. US20040002446A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Festoff, Barry W.  
 ; TITLE OF INVENTION: Thrombomodulin Analogs for Use in Recovery of Spinal Cord Injury  
 ; FILE REFERENCE: 51960US01  
 ; CURRENT APPLICATION NUMBER: US/10/410,195  
 ; PRIOR FILING DATE: 2003-04-10  
 ; PRIOR APPLICATION NUMBER: US/09/938,405  
 ; PRIOR FILING DATE: 2001-08-23  
 ; PRIOR APPLICATION NUMBER: 60/229,714  
 ; PRIOR FILING DATE: 2000-08-31  
 ; NUMBER OF SEQ ID NOS: 2  
 ; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 2  
 ; LENGTH: 575  
 ; TYPE: PRF  
 ; ORGANISM: Homo sapiens  
 US-10-410-195-2

Query Match 99.0%; Score 3172.5; DB 4; Length 575;  
 Best Local Similarity 99.3%; Pred. No. 1,4e-207;  
 Matches 571; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

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QY 1 MGVVLVGLALAGLGFPPAPAEPOPGSGQCVHDCPALYPGPATPLNAGQICDGLRGHLM 60
DB 1 MGVVLVGLALAGLGFPPAPAEPOPGSGQCVHDCPALYPGPATPLNAGQICDGLRGHLM 60
QY 61 TVRSSVAADVISLLNGDGGVRRRLMIGLQLPPGCGDKRLGRLGFGQMTGDNNTSYS 120
DB 61 TVRSSVAADVISLLNGDGGVRRRLMIGLQLPPGCGDKRLGRLGFGQMTGDNNTSYS 120
QY 121 RMARLDLNGAPLPGPLCVASAATVPSEPIWEEOQCEVKADGFLCEFHFPATCRPLAV 180
DB 121 RMARLDLNGAPLPGPLCVASAATVPSEPIWEEOQCEVKADGFLCEFHFPATCRPLAV 180
QY 181 EPGAAANAASITTYGTPFAAGADFOALPVSSAANAVALGLQLMCTAPPGAVOGHMAREAP 240
DB 181 EPGAAANAASITTYGTPFAAGADFOALPVSSAANAVALGLQLMCTAPPGAVOGHMAREAP 240
QY 241 GAMDGVENGCGEHCNAILPGARPCOCPPAGALOADGRSCTAS-TOSCNLDCEHFCVNP 299
DB 241 GAMDGVENGCGEHCNAILPGARPCOCPPAGALOADGRSCTAS-TOSCNLDCEHFCVNP 299
QY 300 DPGSYSQCMETGYRLAADQHRCEVDVDCILBSPPCQRCVNTGGGFECHCYPNYDLVDG 359
DB 301 DPGSYSQCMETGYRLAADQHRCEVDVDCILBSPPCQRCVNTGGGFECHCYPNYDLVDG 360
QY 360 ECEVPDPFRANCEYQCCPLNQTSTYLCVCAAGFAPIRHEPRCQMFQNTACPADCDN 419
DB 361 ECEVPDPFRANCEYQCCPLNQTSTYLCVCAAGFAPIRHEPRCQMFQNTACPADCDN 420
QY 420 TQASCECPBGYIIDDGFICTDIDECENGFSGVCHNLPGTFECICGPDALVRHIGTDC 479
DB 421 TQASCECPBGYIIDDGFICTDIDECENGFSGVCHNLPGTFECICGPDALVRHIGTDC 480
QY 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 539
DB 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSGLLIGISIASLCLVALLALLCHLR 540
QY 540 KKGGAARAKMEYKCAAPSKREVVLQHVTERTPORL 574
DB 541 KKGGAARAKMEYKCAAPSKREVVLQHVTERTPORL 575
  
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## RESULT 12

; Sequence 196, Application US/10094886  
 ; Publication No. US20040002120A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kekuda, Ramesh  
 ; APPLICANT: Tchernev, Velizar T.  
 ; APPLICANT: Liu, Xiaohong  
 ; APPLICANT: Spytek, Kimberly A.  
 ; APPLICANT: Fatuturajan, Meera  
 ; APPLICANT: Burgess, Catherine  
 ; APPLICANT: Vernet, Corinne A.  
 ; APPLICANT: Li, Li  
 ; APPLICANT: Gorman, Linda  
 ; APPLICANT: Malyanekar, Uriel M.  
 ; APPLICANT: Boldog, Ferenc  
 ; APPLICANT: Guo, Xiaojia  
 ; APPLICANT: Shenoy, Suresh  
 ; APPLICANT: Padigar, Muralidhara  
 ; APPLICANT: Taupier, Raymond J., Jr.  
 ; APPLICANT: Miller, Charles  
 ; APPLICANT: Casman, Stacie

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; APPLICANT: Pena, Carol
; APPLICANT: Gangolli, Beha
; APPLICANT: Gusev, Vladimir
; APPLICANT: Smithson, Glenda
; APPLICANT: Zernusen, Bryan
; APPLICANT: Gerlach, Valerie
; APPLICANT: Pochart, Pascal
; APPLICANT: Fernandes, Elma
; APPLICANT: Shinkets, Richard
; APPLICANT: Rastelli, Luca
; APPLICANT: Spaderna, Steven
; APPLICANT: Larocheille, William
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-290 B
; CURRENT APPLICATION NUMBER: US/10/094,886
; CURRENT FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: 60/274,322
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/313,182
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 60/288,052
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/318,510
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/274,281
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/314,018
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: 60/274,194
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/274,849
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/296,693
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 60/313,626
; PRIOR FILING DATE: 2001-08-21
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 298
; SOFTWARE: Patentin 2.1
; SEQ ID NO 196
; LENGTH: 575
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-886-196

Query Match      98.6%; Score 3159.5; DB 4; Length 575;
Best Local Similarity 99.0%; Pred. No. 1.1e-206;
Matches 569; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY      1 MGIVVLGALALAGGFPAPAPBPQSGSCVHEHDCFALYRGPATFLNASQICDGLRGHLM 60
DB      1 MGIVVLGALALAGGFPAPAPBPQSGSCVHEHDCFALYRGPATFLNASQICDGLRGHLM 60
QY      61 TVRSSVAADVLSLLNGDGVGRRLMIGLQLPFGCGDPKRLGPLRGFQWVTGDNNTSYS 120
DB      61 TVRSSVAADVLSLLNGDGVGRRLMIGLQLPFGCGDPKRLGPLRGFQWVTGDNNTSYS 120
QY      121 RVARLDLNGAPLGGPLCAVAVSAEAATVPSEPIWEEOQCEVKADGFLCEHFHPATCRPLAV 180
DB      121 RVARLDLNGAPLGGPLCAVAVSAEAATVPSEPIWEEOQCEVKADGFLCEHFHPATCRPLAV 180
QY      181 EPGAAAVAVSTYGTGPPARAGADFOALPYGSSAAVAPLGLQMLCTAPPGAVOGHMARREAP 240
DB      181 EPGAAAVAVSTYGTGPPARAGADFOALPYGSSAAVAPLGLQMLCTAPPGAVOGHMARREAP 240
QY      241 GAMDSVENGGECEHACNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFCVPPNP 299
DB      241 GAMDSVENGGECEHACNAIPGARPCQCPAGALQADGRSCTASATQSCNDLCEHFCVPPNP 300
QY      300 DPGSGYSCMCEGTGYRLAADQHRCEVDVDCILBPSPCPQRCVNTQGGFEGCHCYPNYDLVDG 359
DB      301 DPGSGYSCMCEGTGYRLAADQHRCEVDVDCILBPSPCPQRCVNTQGGFEGCHCYPNYDLVDG 360
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QY      360 ECEVPDPCFRANCEYQCCPLNNTSYLCVCAEGFAPIPHEPRRCQWFCNQTAGCPADCDPR 419
DB      361 ECEVPDPCFRANCEYQCCPLNNTSYLCVCAEGFAPIPHEPRRCQWFCNQTAGCPADCDPR 420
QY      420 TQASCEPBGYLLDDFFICTDIDECENGFCGSCVGNLPGTEPCICGPDALARIHIGTDC 479
DB      421 TQASCEPBGYLLDDFFICTDIDECENGFCGSCVGNLPGTEPCICGPDALARIHIGTDC 480
QY      480 DSGKVDGDSGSGEPPSPSTLPSPVGLVHSGLLIGISLCTVALLALCHLR 539
DB      481 DSGKVDGDSGSGEPPSPSTLPSPVGLVHSGLLIGISLCTVALLALCHLR 540
QY      540 KKGARARAMEYKCAAPSEVYLQHYRTERTPORL 574
DB      541 KKGARARAMEYKCAAPSEVYLQHYRTERTPORL 575

RESULT 13
US-10-501-671A-5
; Sequence 5, Application US/10501671A
; Publication No. US20060083733A1
; GENERAL INFORMATION:
; APPLICANT: NISHIO, FUMIHIDE
; TITLE OF INVENTION: HIGH-CONCENTRATION PREPARATION OF SOLUBLE
; FILE REFERENCE: THROMBOMODULIN
; CURRENT APPLICATION NUMBER: US/10/501,671A
; CURRENT FILING DATE: 2004-07-16
; PRIOR APPLICATION NUMBER: PCT/JP03/00339
; PRIOR FILING DATE: 2003-01-17
; PRIOR APPLICATION NUMBER: JP2002-9951
; PRIOR FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patentin Ver. 3.3
; SEQ ID NO 5
; LENGTH: 516
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Partial amino
; OTHER INFORMATION: acid sequence of human-originated soluble
; OTHER INFORMATION: thrombomodulin
US-10-501-671A-5

Query Match      90.1%; Score 2885.5; DB 5; Length 516;
Best Local Similarity 99.4%; Pred. No. 4.3e-188;
Matches 513; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY      1 MGIVVLGALALAGGFPAPAPBPQSGSCVHEHDCFALYRGPATFLNASQICDGLRGHLM 60
DB      1 MGIVVLGALALAGGFPAPAPBPQSGSCVHEHDCFALYRGPATFLNASQICDGLRGHLM 60
QY      61 TVRSSVAADVLSLLNGDGVGRRLMIGLQLPFGCGDPKRLGPLRGFQWVTGDNNTSYS 120
DB      61 TVRSSVAADVLSLLNGDGVGRRLMIGLQLPFGCGDPKRLGPLRGFQWVTGDNNTSYS 120
QY      121 RVARLDLNGAPLGGPLCAVAVSAEAATVPSEPIWEEOQCEVKADGFLCEHFHPATCRPLAV 180
DB      121 RVARLDLNGAPLGGPLCAVAVSAEAATVPSEPIWEEOQCEVKADGFLCEHFHPATCRPLAV 180
QY      181 EPGAAAVAVSTYGTGPPARAGADFOALPYGSSAAVAPLGLQMLCTAPPGAVOGHMARREAP 240
DB      181 EPGAAAVAVSTYGTGPPARAGADFOALPYGSSAAVAPLGLQMLCTAPPGAVOGHMARREAP 240
QY      241 GAMDSVENGGECEHACNAIPGARPCQCPAGALQADGRSCTAS-TQSCNDLCEHFCVPPNP 299
DB      241 GAMDSVENGGECEHACNAIPGARPCQCPAGALQADGRSCTASATQSCNDLCEHFCVPPNP 300
QY      300 DPGSGYSCMCEGTGYRLAADQHRCEVDVDCILBPSPCPQRCVNTQGGFEGCHCYPNYDLVDG 359
DB      301 DPGSGYSCMCEGTGYRLAADQHRCEVDVDCILBPSPCPQRCVNTQGGFEGCHCYPNYDLVDG 360
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QY 360 ECVEPVDPGCFRANCEYOCPLNOTSYLVCVCAEGFAP1PHEPRRCQMFNCQTACPADCDN 419  
 DB 361 ECVEPVDPGCFRANCEYOCPLNOTSYLVCVCAEGFAP1PHEPRRCQMFNCQTACPADCDN 420  
 QY 420 TQASCECEGYYLDDGFICTDIDECENGFCGVCVCHNLPGTRECICTGPDALARIHTDC 479  
 DB 421 TQASCECEGYYLDDGFICTDIDECENGFCGVCVCHNLPGTRECICTGPDALARIHTDC 480

QY 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSG 515  
 DB 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSG 516

## RESULT 14

US-10-501-671A-1  
 / Sequence 1, Application US/10501671A  
 / Publication No. US2006008373A1  
 / GENERAL INFORMATION:  
 / APPLICANT: NISHIO, FUMIHIRO  
 / TITLE OF INVENTION: HIGH-CONCENTRATION PREPARATION OF SOLUBLE  
 / TITLE OF INVENTION: THROMBOMODULIN  
 / FILE REFERENCE: 8062-1023  
 / CURRENT APPLICATION NUMBER: US/10/501,671A  
 / CURRENT FILING DATE: 2004-07-16  
 / PRIOR APPLICATION NUMBER: PCT/JPO3/00339  
 / PRIOR FILING DATE: 2003-01-17  
 / PRIOR APPLICATION NUMBER: JP2002-9951  
 / PRIOR FILING DATE: 2002-01-18  
 / NUMBER OF SEQ ID NOS: 9  
 / SOFTWARE: PatentIn Ver. 3.3  
 / SEQ ID NO 1  
 / LENGTH: 516  
 / TYPE: PRT  
 / ORGANISM: Artificial Sequence  
 / FEATURE:  
 / OTHER INFORMATION: Description of Artificial Sequence: Partial amino  
 / OTHER INFORMATION: acid sequence of human-originated soluble  
 / OTHER INFORMATION: thrombomodulin  
 US-10-501-671A-1

Query Match 90.0%; Score 2881.5; DB 5; Length 516;  
 Best Local Similarity 99.2%; Pred. No. 8.1e-188;  
 Matches 512; Conservative 0; Mismatches 3; Indels 1; Gaps 1;  
 QY 1 MGVLVGLGALALAGLPAPAPBPQSGSCVHDCFPALYGPATFLNASQICDGLRGLHM 60  
 DB 1 MGVLVGLGALALAGLPAPAPBPQSGSCVHDCFPALYGPATFLNASQICDGLRGLHM 60  
 QY 61 TYRSSVAADVITSLILNGDGVGRRRLMIGQLPFGCGDPRKRLGPRFQWVTGDNNTSYS 120  
 DB 61 TYRSSVAADVITSLILNGDGVGRRRLMIGQLPFGCGDPRKRLGPRFQWVTGDNNTSYS 120  
 QY 121 RPARLDLNGAPLCGPLCVAVSAEATVPSEPIWEBOCEVKADGFLCEHFPAICRPLAV 180  
 DB 121 RPARLDLNGAPLCGPLCVAVSAEATVPSEPIWEBOCEVKADGFLCEHFPAICRPLAV 180  
 QY 121 RPARLDLNGAPLCGPLCVAVSAEATVPSEPIWEBOCEVKADGFLCEHFPAICRPLAV 180  
 DB 121 RPARLDLNGAPLCGPLCVAVSAEATVPSEPIWEBOCEVKADGFLCEHFPAICRPLAV 180  
 QY 181 EGGAAAVASITTYGTFPAAGADFOALPVGSSAAVAPLGLQIMCTAPPGAVQGHMAREAP 240  
 DB 181 EGGAAAVASITTYGTFPAAGADFOALPVGSSAAVAPLGLQIMCTAPPGAVQGHMAREAP 240  
 QY 241 GAMDCEVNGGCEHACNAIPGARPCCPAGAAQADGRSCTAS-TQSCNDLCEHFCVNP 299  
 DB 241 GAMDCEVNGGCEHACNAIPGARPCCPAGAAQADGRSCTAS-TQSCNDLCEHFCVNP 299  
 QY 241 GAMDCEVNGGCEHACNAIPGARPCCPAGAAQADGRSCTAS-TQSCNDLCEHFCVNP 299  
 DB 241 GAMDCEVNGGCEHACNAIPGARPCCPAGAAQADGRSCTAS-TQSCNDLCEHFCVNP 299  
 QY 300 DQGSYSVCMCEYRILADQHRCEVDVDCILEPSPQRCVNTQGFECCHYNYDLVDG 359  
 DB 301 DQGSYSVCMCEYRILADQHRCEVDVDCILEPSPQRCVNTQGFECCHYNYDLVDG 360  
 QY 360 ECVEPVDPGCFRANCEYOCPLNOTSYLVCVCAEGFAP1PHEPRRCQMFNCQTACPADCDN 419  
 DB 361 ECVEPVDPGCFRANCEYOCPLNOTSYLVCVCAEGFAP1PHEPRRCQMFNCQTACPADCDN 420  
 QY 420 TQASCECEGYYLDDGFICTDIDECENGFCGVCVCHNLPGTRECICTGPDALARIHTDC 479

DB 421 TQASCECEGYYLDDGFICTDIDECENGFCGVCVCHNLPGTRECICTGPDALARIHTDC 480  
 QY 480 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSG 515  
 DB 481 DSGKVDGDSGSGEPSPPTPGSTLTPPAVGLVHSG 516

## RESULT 15

US-10-298-796-4  
 / Sequence 4, Application US/10298796  
 / Publication No. US20030220490A1  
 / GENERAL INFORMATION:  
 / APPLICANT: KURIYAMA, Shinichi  
 / APPLICANT: HASEGAWA, Takashi  
 / TITLE OF INVENTION: CELL MEMBRANE DIRECTED DRUGS  
 / FILE REFERENCE: 1110-253P  
 / CURRENT APPLICATION NUMBER: US/10/298,796  
 / CURRENT FILING DATE: 2002-11-19  
 / PRIOR APPLICATION NUMBER: US/09/331,793  
 / PRIOR FILING DATE: 1999-06-25  
 / NUMBER OF SEQ ID NOS: 67  
 / SOFTWARE: PatentIn version 3.0  
 / SEQ ID NO 4  
 / LENGTH: 497  
 / TYPE: PRT  
 / ORGANISM: Homo Sapiens  
 US-10-298-796-4

Query Match 87.1%; Score 2789.5; DB 4; Length 497;  
 Best Local Similarity 99.2%; Pred. No. 1.4e-181;  
 Matches 493; Conservative 0; Mismatches 3; Indels 1; Gaps 1;  
 QY 19 APAPBPQSGSCVHDCFPALYGPATFLNASQICDGLRGLHMVSSVADVISLILNGD 78  
 DB 1 APAPBPQSGSCVHDCFPALYGPATFLNASQICDGLRGLHMVSSVADVISLILNGD 78  
 QY 79 GGVGRRRLMIGQLPFGCGDPRKRLGPRFQWVTGDNNTSYSRWARDLNGAPLCGPLCV 138  
 DB 61 GGVGRRRLMIGQLPFGCGDPRKRLGPRFQWVTGDNNTSYSRWARDLNGAPLCGPLCV 120  
 QY 139 AVSAEATVPSEPIWEBOCEVKADGFLCEHFPAICRPLAVPGAAAASITTYGTPA 198  
 DB 121 AVSAEATVPSEPIWEBOCEVKADGFLCEHFPAICRPLAVPGAAAASITTYGTPA 180  
 QY 199 ARGADFOALPVGSSAAVAPLGLQIMCTAPPGAVQGHMAREAPGAMDCEVNGGCEHACNA 258  
 DB 181 ARGADFOALPVGSSAAVAPLGLQIMCTAPPGAVQGHMAREAPGAMDCEVNGGCEHACNA 240  
 QY 259 IEGARPCCPAGAAQADGRSCTAS-TQSCNDLCEHFCVNPDPQGSYSVCMCEYRILAA 317  
 DB 241 IEGARPCCPAGAAQADGRSCTAS-TQSCNDLCEHFCVNPDPQGSYSVCMCEYRILAA 300  
 QY 318 DQHRCEVDVDCILEPSPQRCVNTQGFECCHYNYDLVDGECVPEVDPGCFRANCEYOC 377  
 DB 301 DQHRCEVDVDCILEPSPQRCVNTQGFECCHYNYDLVDGECVPEVDPGCFRANCEYOC 360  
 QY 378 QPLNOTSYLVCVCAEGFAP1PHEPRRCQMFNCQTACPADCDNPTQASCECEGYYLDDGFI 437  
 DB 361 QPLNOTSYLVCVCAEGFAP1PHEPRRCQMFNCQTACPADCDNPTQASCECEGYYLDDGFI 420  
 QY 438 CTDIDECENGFCGVCVCHNLPGTRECICTGPDALARIHTDCDSGKVDGDSGSGEPSP 497  
 DB 421 CTDIDECENGFCGVCVCHNLPGTRECICTGPDALARIHTDCDSGKVDGDSGSGEPSP 480  
 QY 498 PTPGSTLTPPAVGLVHSG 514  
 DB 481 PTPGSTLTPPAVGLVHSG 497

Search completed: May 18, 2006, 16:50:43  
 Job time : 82 secs





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QY 206 A--LPVSSAAVAPLGLQIMCTAPPGAVQGHMAREAPGAMDCSVENGSC--HACNAIPG 261
DB 101 ARPYPTISRPILCRFGYQM-----DESNQCVDVDECATDTHQCNPTQICINTBG 149
QY 262 APPCCPAGAAIQAADGRSCTASTQSCNDLCEHFCVNPDPQSGYSCMCTGYLAADQHR 321
DB 150 GYTCSCCTDGYWL-LBEGQ-CLDIDECRYGYCQQLCA--NVPGSYSTCNNGFTLNEDGRS 204
QY 322 CEVDVDCILIEPSCPCRCVNTQSGFCHCYPNVDL-VDGECVAPVDPCCFRANEXYOCQPL 380
DB 205 CQDVNCCATE-NPCVOTCVNTYGSLLCRDPCGYLEBEGVHCSDMDEC--SFSEFLCQ-- 259
QY 381 NQTSYLCVCAEGFAPIPHEBPHRCOMFCNOTACPADCDPNTQASCECPGTYI-LDDGFICT 439
DB 260 -----HEC---VNO-----PGTY-FCSCPPGTYILLDDNRSCQ 287
QY 440 DIDECENGGFCGCV---CHNLPGTFECI 464
DB 288 DINECHHRNHTCNLQOTCVNLQGGFKCI 315

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RESULT 4
US-11-267-942-5
; Sequence 5, Application US/11267942
; Publication No. US20060094054A1
; GENERAL INFORMATION:
; APPLICANT: Schiemann, William P.
; APPLICANT: Alb19, Allan R.
; TITLE OF INVENTION: Fibulin-3 and Uses Thereof
; FILE REFERENCE: 2879-109
; CURRENT APPLICATION NUMBER: US/11/267,942
; PRIOR FILING DATE: 2005-11-04
; PRIOR APPLICATION NUMBER: 60/625,598
; PRIOR FILING DATE: 2004-11-04
; PRIOR APPLICATION NUMBER: 60/687,129
; PRIOR FILING DATE: 2005-06-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 5
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-267-942-5

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Query Match          9.5%; Score 303.5; DB 7; Length 448;
Best Local Similarity 29.6%; Pred. No. 5.2e-14;
Matches 97; Conservative 36; Mismatches 126; Indels 69; Gaps 20;

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QY 146 TVPSEPIWEQCEVADGFLCEFHFPATCRPLAVERGMAAAVSTTGTFFAARGADRF 205
DB 48 TTP-EXCRGDMNCVNONGYLIC--IPRT-NP--VTRGYSNPNYSYSGPYPAAPVPV 100
QY 206 A--LPVSSAAVAPLGLQIMCTAPPGAVQGHMAREAPGAMDCSVENGSC--HACNAIPG 261
DB 101 ARPYPTISRPILCRFGYQM-----DESNQCVDV-----EGATDTHQCNPTQICINTBG 149
QY 262 APPCCPAGAAIQAADGRSCTASTQSCNDLCEHFCVNPDPQSGYSCMCTGYLAADQHR 321
DB 150 GYTCSCCTDGYWL-LBEGQ-CLDIDECRYGYCQQLCA--NVPGSYSTCNNGFTLNEDGRS 204
QY 322 CEVDVDCILIEPSCPCRCVNTQSGFCHCYPNVDL-VDGECVAPVDPCCFRANEXYOCQPL 380
DB 205 CQDVNCCATE-NPCVOTCVNTYGSLLCRDPCGYLEBEGVHCSDMDEC--SFSEFLCQ-- 259
QY 381 NQTSYLCVCAEGFAPIPHEBPHRCOMFCNOTACPADCDPNTQASCECPGTYI-LDDGFICT 439
DB 260 -----HEC---VNOPG-----SYTCSCPPGTYILLDDNRSCQ 287
QY 440 DIDECENGGFCGCV---CHNLPGTFECI 464
DB 288 DINECHHRNHTCNLQOTCVNLQGGFKCI 315

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```

RESULT 5
US-10-505-928-676
; Sequence 676, Application US/10505928
; Publication No. US20060088532A1
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research et al.
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
; FILE REFERENCE: 28967/39178
; CURRENT APPLICATION NUMBER: US/10/505,928
; PRIOR FILING DATE: 2004-08-27
; PRIOR APPLICATION NUMBER: US 60/363,019
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: PatentIn 3.2
; SEQ ID NO 676
; LENGTH: 493
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-505-928-676

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```

Query Match          9.2%; Score 295; DB 6; Length 493;
Best Local Similarity 24.6%; Pred. No. 2.1e-13;
Matches 98; Conservative 53; Mismatches 130; Indels 118; Gaps 25;

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QY 150 EPIWEB-----QCEVAKAD-----GFLCEHFPRA-TCRPLAVE-----PGAA 185
DB 36 DVPQOQKQDIDECDDVDPACKGGMKCVNHYGTYLCLPRTAQIIVNNEQPOQETQPAEGTS 95
QY 186 AAASITTYGTPFAARGADFOALP---VGSAAVA-----PLGLQIMCT 225
DB 96 GATGVAAASSMATSG-----VLPGGFVASAAVAPEMQGTGRNNFVIRNPNADPQRIPS 151
QY 226 APPGAVQGHMAREAPGAMDCSVENGSCERHACNAIPCARPCCPAGAAIQAADGRSCTASTQ 285
DB 152 NPSHRIQ-----CAAGYEQSEH-----NYCQ-----DIDECTAGTH 182
QY 286 SCNDLCEHFCVNPDPQSGYSCMCTGYLAADQHRCEVDVDCILIEPSPCPCRCVNTQSG 345
DB 183 NCR--ADQVCT--NKRGSFACCPGPGYOKRGEQ--CVDIDECTIPY-CHQRCVNTPGS 234
QY 346 FECHCYPNVDLVGE--CVEPVDPCCFRAN-CEYOCQPLNQTSTYLCVCAEGFAPIPHEBPHR 402
DB 235 FYQCSRPGQLAANNNTQVD-INECDASNGCAQCCYNI-LGSFICQCNQGY-ELSSDRLN 291
QY 403 CQNF--CNOTA--CPADC--DPNTQASCECPGTYIIDDGFICTDIDECENGGFC--SGVC 454
DB 292 CEDIDECRTSSYLCQYCVNBERG-KFSQCMCPQGYQVRSRTQDINECETVNECREDEM 350
QY 455 HNLPGTF-----ECIGSPSALAHRI 475
DB 351 WNYHGGFRCPYPRNPPCQDYIILPENRCVCPVSNAMKREL 389

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RESULT 6
US-11-267-942-2
; Sequence 2, Application US/11267942
; Publication No. US20060094054A1
; GENERAL INFORMATION:
; APPLICANT: Schiemann, William P.
; APPLICANT: Alb19, Allan R.
; TITLE OF INVENTION: Fibulin-3 and Uses Thereof
; FILE REFERENCE: 2879-109
; CURRENT APPLICATION NUMBER: US/11/267,942
; PRIOR FILING DATE: 2005-11-04
; PRIOR APPLICATION NUMBER: 60/625,598
; PRIOR FILING DATE: 2004-11-04
; PRIOR APPLICATION NUMBER: 60/687,129
; PRIOR FILING DATE: 2005-06-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 493

```





Db 351 WNYHGFRC 359

## RESULT 9

US-10-196-749-52

Sequence 52, Application US/10196749  
Publication No. US20060094864A1

## GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
TITLE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3430R1C340  
CURRENT APPLICATION NUMBER: US/10/196,749  
CURRENT FILING DATE: 2002-07-16  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 52  
LENGTH: 509  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-196-749-52

Query Match 8.3%; Score 265; DB 6; Length 509;

Best Local Similarity 25.4%; Pred. No. 2.1e-11;  
Matches 87; Conservative 44; Mismatches 112; Indels 100; Gaps 19;

236 ABEAPAMCSVNN--CGCEHACNAIPGARPCCPGALQADGRCTASTOSCNLCH 233  
18 AAEFDRMRPQIVSSIGLGRY-----GGG-IDCCGMARQSGQ-----CQVCCP 62  
294 FCVPNDPQGSYSCEMCEGYRLADQRCEDVDCTLEPSPCQRCVNTQGGEGECY 353  
63 RC-KHDECTGPNKCKHPG---AGKTCNODLANECLKRPCKRCHMNTYGSYKCYCL 118  
354 YDLV-DGCEVEPVDPGFRANCEYQCOPLNQTSTYLCVCAEGFADIPHEPHRC---OMFCN 408  
119 YMLMPGSCSAL-TCSMANCQYGCYV-KGQIRCCQSPGGLIADGRFCVVDCCATG 176  
409 QTAAP--ACDDPNTQAS--CECEGY---ILLDGFICTDIDECENGGF--CSGV--CHNLP 458  
177 RASCEPFRQC-VTFESYICKCKHGFDMYIGSKYCHDIDECSTLQYQCSFARCYNVR 235  
459 GTFECIC-----GPDALARHIGTDCDSGKVDGSDSGS-----492

Db

236 GSYKCKCKEGYQGDGLTCVYIPKVMIEPSGP-----IHVPKNGNTILKDGNNMWP 288

QY

493 -----EPPSPSTGSLTPP 507

Db

289 DVGSTWMPKTPYIPITNRTPTSKPTRTPTKPTPIPTPPP 331

## RESULT 10

US-10-196-749-38

Sequence 38, Application US/10196749  
Publication No. US20060094864A1

## GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
TITLE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3430R1C340  
CURRENT APPLICATION NUMBER: US/10/196,749  
CURRENT FILING DATE: 2002-07-16  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 38  
LENGTH: 737  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-196-749-38

Query Match 7.6%; Score 244; DB 6; Length 737;

Best Local Similarity 20.5%; Pred. No. 7.1e-10;  
Matches 159; Conservative 78; Mismatches 245; Indels 292; Gaps 44;

3 GVLVIGALL-----AGLGFAPAPQPGSQCVHDC-----FALY 39  
10 GAQLPALLLILLILLAGRGSSLANPVPAAPUSAPGCAADPCRNQGVCTSRPDDPH 69  
40 PGAPFLNASQICDGLRGLMTVRSSVADVISLTLNGDGVGRRLMTGLQLPQCQDP 99  
70 PAPA-----GPGYSCTCPAGISGANQLV-----ADP 97  
100 KRLGLRGTOWTGDNNNTYSRMARLDLNGALPC-----GPLCYAVSAAEVTSSEPI 152  
98 CASNPCH-----HONCSSSSSSSSD---GYLICINEGYEGPNC-----EQALPSLPA 141

```

QY 153 --WEEQCEKADGDFCEHFPATCRPLAVEPGAAAAVSTYGTPEAARGADF-----Q 205
DB 142 TGTETEMARQLO-----PVPATGEPDKILPRSQATVTLPTWQPKTGQKXVEMKDYOE 195
QY 206 ALP---VSSAAVAPGLQIMCTAPP-----GAVGHWARREARPGADSCVENG 250
DB 196 VLPDIACGNASSVSSAGRLVSFEVDPQNTSVKIRODATASLILMKVTATGFOCCSLIDG 255
QY 251 -----GCEH-----ACNAIRG---AR 263
DB 256 RSVTPLOASGGVLLEEMTALGNNHPIGFVNDVTSYVALRLTLVVKYSTCVPGESHAN 315
QY 264 PCQC-----PAGALQADGRSCTASTOSCNLDCEHF-----CV-PNPD 300
DB 316 DLECGSKGKCTTPESEATF-----SCTCEQYVGTCEBYDACQRKCPQNNASCIDANEK 370
QY 301 QPQS-YSCMCEYGRILAADQRCEDVDCTLEPSPCQRQVNTQGGEGECHYPNYDLVDG 359
DB 371 QDGSNFTCVCLPGYTELQSK---IDYCLIDPCRNGATCISLSGFTQCCEPGY---FGS 425
QY 360 ECVPEVDPCEFRANCEYQCCPLNOTSYL-----CVCAGFPAP1PHEPHRCOM--FCNQTA 411
DB 426 ACEEKYDPCASSCCQN-----NGTCYVDGVHFTCNCSPGFT---GPTCAQLIDFCALSP 476
QY 412 CP-ADC-DBNTQASCECPREGYIILDDGFTIC-TDIDECENGFC--SGVCHNLPGTEPCICQ 466
DB 477 CAHGTRSVGTYSKCLCDPEY---HGLYCEEYNECLSNP-CLNATCRBLVNGYECVC- 531
QY 467 PSALARRH1GT-----DCSGKVDG-----DSGSGEP 494
DB 532 ---LABYKGTHELKYLKPCANVSCINGATCDSGDGNGTICICAPGTGECDDIDINECS 587
QY 495 PPSPTGSLTPPA-----VGL---VH---SG-----LLIG-IS 521
DB 588 NPHHGSGCLDQNGYNCCHCPHGWGANCERHLOKWSGHMAESLTMMPRHSLYITIIIGALC 647
QY 522 IASLCVVALLALCHLRK--KOGAARAKME--YKCAAPSEK-----VVLQHRV 566
DB 648 VAFIIMLILIVGICRISRIEYOGSSRPAYEEFPNCGSIDSEFSNMAISIRHAR 701

```

RESULT 11  
US-10-505-928-371  
; Sequence 371, Application US/10505928  
; Publication No. US20060088532A1

GENERAL INFORMATION:  
; APPLICANT: Ludwig Institute for Cancer Research et al.  
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES  
; FILE REFERENCE: 28967/39178  
; CURRENT APPLICATION NUMBER: US/10/505,928  
; PRIOR FILING DATE: 2004-08-27  
; PRIOR APPLICATION NUMBER: US 60/363,019  
; NUMBER OF SEQ ID NOS: 866  
; SOFTWARE: PatentIn 3.2  
; SEQ ID NO 371  
; LENGTH: 1247  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-505-928-371

Query Match 7.4%; Score 238; DB 6; Length 1247;  
Best Local Similarity 27.1%; Pred. No. 2,9e-09;  
Matches 84; Conservative 29; Mismatches 105; Indels 92; Gaps 21;

```

QY 272 ALQADRSCTASTQSCNDLCEHFCVNPDPQSGYSQMCETGYRLAADQRCEDVDCTLE 331
DB 667 ALQ---NPYIGHGCD--TNAACRPGPRT--QFTCCSIGFR--GDGRICYDIDECSEQ 717
QY 332 PSPCPQR--CVNTQGGEGECHYPNYDLVD--GECV-----EPVDPCFRA--NCEY-----QC 377
DB 718 PSVCGSHITCNHNPGRCEVGEYQPSDEGTCAVVDORPINVCETGLHNCDI PORAO 777

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QY 378 QPLNOSTYLVCAGFAP1PHEPHRCQMEFCNQIAC-PADCDP-----NTQAS--CECPREG 429
DB 778 ITGSSSYTCSCLPGRS---GDQACQ---DVECCQPSRCHDPAFCVNTPGSFTCCCKPG 831
QY 430 YLDDGFTC-----TD-----IDECG--NGFGSGVGH 455
DB 832 Y-QGDFRCVPEVEKTRCQREHILGAAGATDPQRPI1PGLFVPECAGHGYAPTOCH 890
QY 456 NLPGTPECICGPDASALARRH1GTPDCSKVDGSDSGSEPPSPTEPGSTLTPPAVLVHSG 515
DB 891 GSTGYCWCY-----DRGRREYEGIRTRGMPPCL---STVAPF---IHGG 930
QY 516 LIGISIASL 525
DB 931 PAVPRAV1PL 940

```

RESULT 12  
US-10-505-928-150  
; Sequence 150, Application US/10505928  
; Publication No. US20060088532A1

GENERAL INFORMATION:  
; APPLICANT: Ludwig Institute for Cancer Research et al.  
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES  
; FILE REFERENCE: 28967/39178  
; CURRENT APPLICATION NUMBER: US/10/505,928  
; PRIOR FILING DATE: 2004-08-27  
; PRIOR APPLICATION NUMBER: US 60/363,019  
; NUMBER OF SEQ ID NOS: 866  
; SOFTWARE: PatentIn 3.2  
; SEQ ID NO 150  
; LENGTH: 5738  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-505-928-150

Query Match 6.4%; Score 205.5; DB 6; Length 5738;  
Best Local Similarity 22.1%; Pred. No. 1.7e-06;  
Matches 136; Conservative 30; Mismatches 249; Indels 201; Gaps 27;

```

QY 25 PGSGQVEHDCFRALYGPATFLNASTQICDGLAGHLMTVASSVAADVITSLINGDGVGR 84
DB 1794 PGEVSCVDGTC-----LGA1QLCDG-----VMDCPDGADEGPGHC 1828
QY 85 RLWIGLQLPGCGDPRKRLGRLGFQWVTGDNNTSYSRWMRLDNGAPLCGPLCAVSAAB 144
DB 1829 PL-PSLPTTPASTLP--GP-----SPSLDIASSPLA--SASPRAPCGPFEFRGSGGE 1876
QY 145 ATVPSEPIWEEQCEVKAD-----GFLCEFHNPATCRPLAVEGAAAAV-----189
DB 1877 CTRPGWRCDQEBDCADSDBERGCGPCARHNAFCARGPCHVSPBQLCDGVRCQPDGSDRG 1936
QY 190 ---STYTGTPPARGADFOALPVGSSAAVAPGLQIMCTAPPQAV--QGHMAR-----238
DB 1937 PDACVAPAPAPMARGPQAGGFTSSRAPSP-----SPPEAOGEGRKGGERSTHTLT 1989
QY 239 -----APGAMPCEVENGSC---EHACNAIPGAPCCQCPAGA--ALQADGRSCTAST 284
DB 1990 VPAGSTQLPLCPGLPFCVAPGLCLTPBOLCDGIP-----DPOGDELDCCGLPALGSP 2044
QY 285 QSCNDLCEHFCVNPDPQSGYSQMCETGYRLAADQRCEDVDCTLE-----1LEPS-----333
DB 2045 NRTGLCPREYTCNG-----TCL---GFQLV-----CDGQPDCCGAPGVGSPREBGGCG 2090
QY 334 -----PCQRQVNTQGGEGECHYPNYDLVDGCVB---VDCFPANC-----373
DB 2091 AMGPMPGMPGCSRTCCGPMWCGRSRRCSPLGLVYLQNCPPBHQSOACFTAAACPVDEWST 2150
QY 374 -----EXQCCPLNOSTYLVCAGAB-----392
DB 2151 WSPWVSCSEBPCKGTMTROROCHSPONGARTCAALPGGLHSTROTCKPCPDGCPNATCSGB 2210

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```
QY 393 --FAP1PHEPRHRCQMFQCNQACPADCPNTQASCECEBEGYILDGFICTIDCE-----445
DB 2211 LMFQPCAPCLTDDDDISGVCTCPDM-PCGSPGCKWCEBGLVLSBEGCWPRQCPLCYDG 2269
QY 446 ---NGFCGSGVCHNLPGTEFCICGPDLSALRHIGTDCSGKYDG-----DSGSGEPP 495
DB 2270 ARYWPQGRIRKADCO-----LCICODGRPRRCRLNPDCCAGEALPSGSLVLSLDRPAHP 2323
QY 496 PSPTPGSTLTLPRAVGL 511
DB 2324 --PPSGSDCWPSLSGL 2337

RESULT 13
US-10-196-749-290
; Sequence 290, Application US/10196749
; Publication No. US20060094864A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Matanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C340
; CURRENT APPLICATION NUMBER: US/10/196,749
; PRIOR FILING DATE: 2002-07-16
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 290
; LENGTH: 1523
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-749-290

Query Match 6.2%; Score 197; DB 6; Length 1523;
Best Local Similarity 24.1%; Pred. No. 1,8e-06;
Matches 84; Conservative 44; Mismatches 141; Indels 80; Gaps 23;
```

```
QY 278 RSCTASTQSCNDL-CEH--FCVNPDPQSGSYSCMCEGTGYRLADQHRCEPV--DDCILPEPS 333
DB 991 QRCENIPDDCEDDCEENATCV---DGINNYVICCPNY---TSELCDVVIDHCVPBLN 1043
QY 334 PCPO--RCVNTQGFECHECYPNYDLVGE-CVEPVDPCEFRANCEYOCOPLNO--TSYLVCV 389
DB 1044 LQHEAKCIPLDGFGCECVPGY---SGKLCEITDNDQVAKHCRHGAQCVDTINGYTCCTC 1100
QY 390 AEGFAP1PHEPRHRCQMFQCNQACPAD---CDPNTQA-----SCCEPSYILDGFICT 439
DB 1101 PQGFSG-PCFENHPVMTLLQTS-PCDQYECQNAQCITVQOEPTCRCPGFA---GPRCE 1155
QY 440 D1DECENGFCGSGVCHNLPGTEFCI-----CGPDLSALRHIGTDCDSDG 482
DB 1156 KL-----ITYNFWGKDSYVELASAKVRPQANISLQVAYTDKONG 1193

RESULT 14
US-10-505-928-831
; Sequence 831, Application US/10505928
; Publication No. US20060088532A1
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research et al.
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
; FILE REFERENCE: 28967/39178
; CURRENT APPLICATION NUMBER: US/10/505,928
; PRIOR FILING DATE: 2004-08-27
; PRIOR APPLICATION NUMBER: US 60/363,019
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: PatentIn 3.2
; SEQ ID NO 831
; LENGTH: 2026
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-505-928-831

Query Match 5.6%; Score 179; DB 6; Length 2026;
Best Local Similarity 21.6%; Pred. No. 3,6e-05;
Matches 141; Conservative 43; Mismatches 186; Indels 284; Gaps 41;
```

QY 369 FRANCEYQOPL-----NOTSY-----LCVCAEG-----FAPIP- 397  
DB 685 V---CDFSCQSVPGCSGVYVSTECBLKARCBSQKGLYVAAGACRGPTFAPLDP 741  
QY 398 -----HEPRRCQMC--NOTA-----CPA-----DCDPNTQASCECPE 428  
DB 742 VAPLHCAQPTPYGC---CODNITARGVGLAGCPASACQCNPHSGSYGTCDBPAT--GQCSCRP 797  
QY 429 GYLLDDGFICTIDIDECENG--GFCSGVCNHLPGTFECTCGPDSALAHICTDCD 480  
DB 798 GV---GALRC---DRCEPGFMNFRGIYVDGRSGCTPCSCDPQGA---VRDCE 841

## RESULT 15

US-10-505-928-569  
; Sequence 569, Application US/10505928  
; Publication No. US20060088532A1  
; GENERAL INFORMATION:  
; APPLICANT: Ludwig Institute for Cancer Research et al.  
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES  
; FILE REFERENCE: 28967/39178  
; CURRENT APPLICATION NUMBER: US/10/505,928  
; CURRENT FILING DATE: 2004-08-27  
; PRIOR APPLICATION NUMBER: US 60/363,019  
; PRIOR FILING DATE: 2002-03-07  
; NUMBER OF SEQ ID NOS: 866  
; SOFTWARE: PatentIn 3.2  
; SEQ ID NO 569  
; LENGTH: 4590  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-505-928-569

Query Match 5.3%; Score 168.5; DB 6; Length 4590;  
Best Local Similarity 21.8%; Pred. No. 0.00038;  
Matches 95; Conservative 44; Mismatches 137; Indels 159; Gaps 26;

QY 192 TYGTTPAARGADFOALPVGSSAAVAPLGLQMLMCTAPRG-----AVQ 232  
DB 3866 THAVVMYARGTDYSILEIHHGR---LQYKFDGSGGIVSVOSIQVNDGQMHVALEVN 3921  
QY 233 GHWAR-----EAPGA-----WDCSVENGCEHACNAIP---GARPC- 265  
DB 3922 GNYARLVLDQVHTASGTAFTLKLNDNVVFFEGHTRGSTRHRS--PQVNGFRGCM 3979  
QY 266 -----QCPAGALQ-----ADGRCTASTQSCNDLCHEFCVNPNDQPSYS 306  
DB 3980 DSIYNGQELPLNSKPRSYAHIESVVSFGCFLTATEDCASNPQNGVGNPSPAGGY 4039  
QY 307 CMCEYGRLAADHRCB-DVDDCILEBSPCQRRCVNTQGGFECHCYPNYDLVDGECVEPV 365  
DB 4040 CKCSALY---IGTH-CRISYNPCSNPCLYGTCVVDNGGFCV----- 4078  
QY 366 DPCFRANCEYQOPLNQTSYLVCAGEGFAPIPHEPRRCQ--FCNQTAEP--ADC-DPNT 420  
DB 4079 -----QCRGL-----YTQGRQQLSPYCKDBPCKNGGTCFDSLD 4111  
QY 421 QASCECEBEGYILLDGFIC-TDIDECENGFC--SGVCNHLPGTFECTCGPDSALAHICT 477  
DB 4112 GAVCQCCSGF---RGERCOSDIDEC--SGNPCLHGAALCENTHGSYHCNSHE---YRGR 4162  
QY 478 DCPGKVDGSDSGSRPPTPGSTL--TPPAVGLVHSGLLIGISIASLCLVALLALLC 536  
DB 4163 HCEDA-----APNQVSTPMNIGLA--EGIGIVFVAGIFLVLVVF-VLC 4204  
QY 537 H---LRKQGAARAK 548  
DB 4205 RKMISRKKGQAEKX 4219

Search completed: May 18, 2006, 16:50:54  
Job time : 8 secs